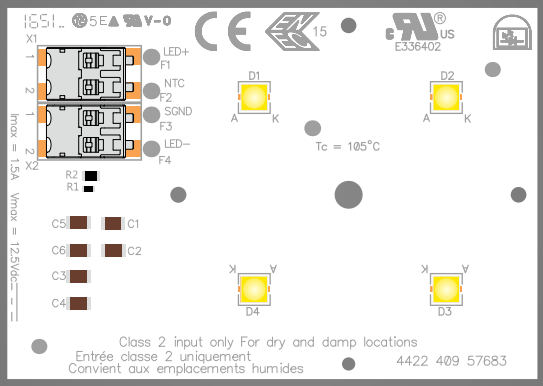
Linear-Z LED-module

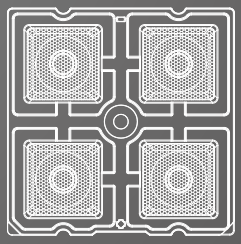
MK5050-4H1-35A-12V-8W-7049R5-15547

CREE on board | System Effizienz 179lm/W | CRI 80+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

MANKUN
Manufacturer Of LED Lighting Solution

constant CURRENT | ESD | RoHS | Zhaga





4H1 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 70 x 49mm(ZHAGA compliant)
- High color rendering(CRI > 80)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 179Lm/W@350mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
MK5050-15547	656lm	616lm	3,000K	>80	11.2V	12.0V	350mA	3.8W	1500mA	168lm/W	162lm/W
	1,222lm	1,130lm					700mA	8.0W		150lm/W	142lm/W
	1,717lm	1,561lm					1050mA	11.7W		136lm/W	126lm/W
	699lm	657lm	4,000K				350mA	3.8W		179lm/W	172lm/W
	1,304lm	1,205lm					700mA	8.0W		160lm/W	151lm/W
	1,832lm	1,665lm					1050mA	11.7W		145lm/W	135lm/W
	699lm	657lm	5,000K				350mA	3.8W		179lm/W	172lm/W
	1,304lm	1,205lm					700mA	8.0W		160lm/W	151lm/W
	1,832lm	1,665lm					1050mA	11.7W		145lm/W	135lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by CREE. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

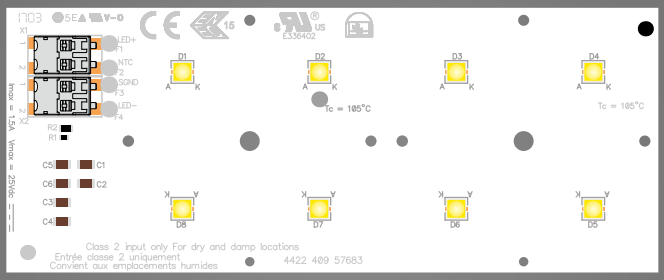
Linear-Z LED-module

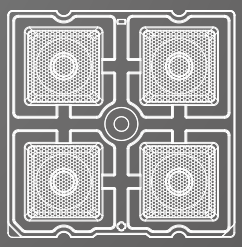
MK5050-4H2-35A-24V-16W-120R849R5-15548

MANKUN
Manufacturer Of LED Lighting Solution

CREE on board | System Effizienz 179lm/W | CRI 80+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

constant CURRENT | ESD | RoHS | Zhaga





4H1 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 121 x 49mm(ZHAGA compliant)
- High color rendering(CRI > 80)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 179Lm/W@350mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
MK5050-15548	1,312lm	1,232lm	3,000K	>80	22.4V	24.0V	350mA	7.6W	1500mA	168lm/W	162lm/W
	2,444lm	2,260lm					700mA	16.0W		150lm/W	142lm/W
	3,434lm	3,122lm					1050mA	23.4W		136lm/W	126lm/W
	1,398lm	1,314lm	4,000K				350mA	7.6W		179lm/W	172lm/W
	2,608lm	2,410lm					700mA	16.0W		160lm/W	151lm/W
	3,664lm	3,330lm					1050mA	23.4W		145lm/W	135lm/W
	1,398lm	1,314lm	5,000K				350mA	7.6W		179lm/W	172lm/W
	2,608lm	2,410lm					700mA	16.0W		160lm/W	151lm/W
	3,664lm	3,330lm					1050mA	23.4W		145lm/W	135lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by CREE. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

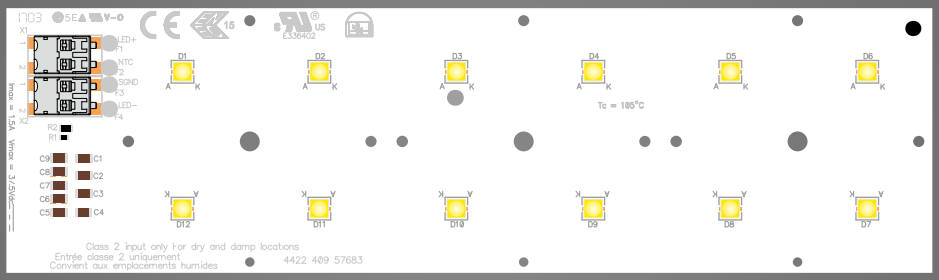
Linear-Z LED-module

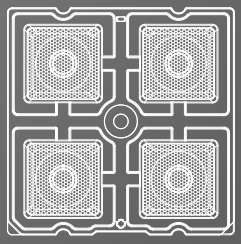
MK5050-4H3-35A-36V-24W-171R649R5-15549

CREE on board | System Effizienz 179lm/W | CRI 80+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

MANKUN
Manufacturer Of LED Lighting Solution

constant CURRENT | ESD | RoHS | Zhaga





4H1 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 172 x 49mm(ZHAGA compliant)
- High color rendering(CRI > 80)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 179Lm/W@350mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
MK5050-15549	1,968lm	1,848lm	3,000K	>80	33.6V	36.0V	350mA	11.4W	1500mA	168lm/W	162lm/W
	3,666lm	3,390lm					700mA	24.0W		150lm/W	142lm/W
	5,151lm	4,683lm					1050mA	35.1W		136lm/W	126lm/W
	2,097lm	1,971lm	4,000K				350mA	11.4W		179lm/W	172lm/W
	3,912lm	3,615lm					700mA	24.0W		160lm/W	151lm/W
	5,496lm	4,995lm					1050mA	35.1W		145lm/W	135lm/W
	2,097lm	1,971lm	5,000K				350mA	11.4W		179lm/W	172lm/W
	3,912lm	3,615lm					700mA	24.0W		160lm/W	151lm/W
	5,496lm	4,995lm					1050mA	35.1W		145lm/W	135lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by CREE. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

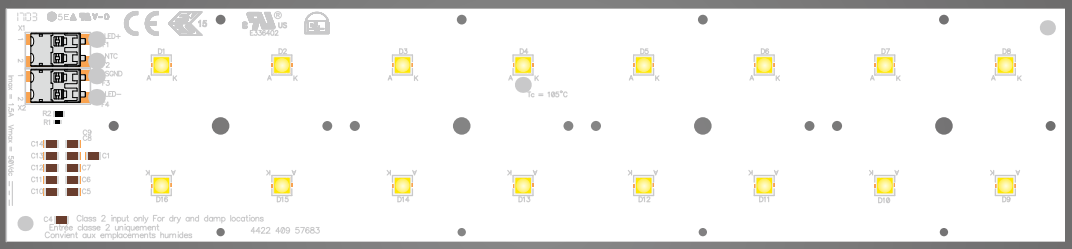
Linear-Z LED-module

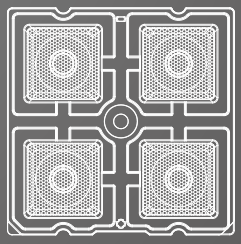
MK5050-4H4-35A-48V-32W-222R449R5-15550

MANKUN
Manufacturer Of LED Lighting Solution

CREE on board | System Effizienz 179lm/W | CRI 80+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

constant CURRENT | ESD | RoHS | Zhaga





4H1 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 223x 49mm(ZHAGA compliant)
- High color rendering(CRI > 80)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 179Lm/W@350mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
MK5050-15550	2,624lm	2,464lm	3,000K	>80	44.8V	48.0V	350mA	15.2W	1500mA	168lm/W	162lm/W
	4,888lm	4,520lm					700mA	32.0W		150lm/W	142lm/W
	6,868lm	6,244lm					1050mA	46.8W		136lm/W	126lm/W
	2,796lm	2,628lm	4,000K				350mA	15.2W		179lm/W	172lm/W
	5,216lm	4,820lm					700mA	32.0W		160lm/W	151lm/W
	7,328lm	6,660lm					1050mA	46.8W		145lm/W	135lm/W
	2,796lm	2,628lm	5,000K				350mA	15.2W		179lm/W	172lm/W
	5,216lm	4,820lm					700mA	32.0W		160lm/W	151lm/W
	7,328lm	6,660lm					1050mA	46.8W		145lm/W	135lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by CREE. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

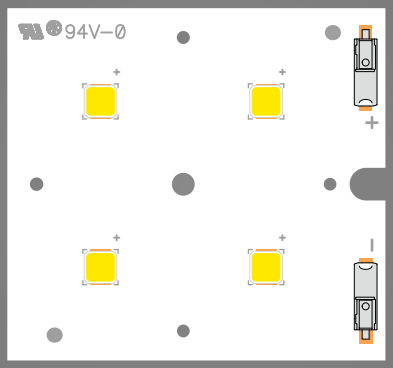
Linear-Z LED-module

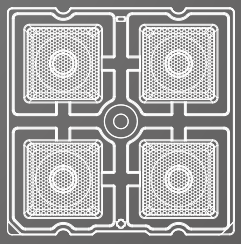
MK5050-4H1-50D-48V-15W-5854-15783

LUMILEDS on board | System Effizienz 173lm/W | CRI 80+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

MANKUN
Manufacturer Of LED Lighting Solution

constant CURRENT | ESD | RoHS | Zhaga





4H1 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 58 x 54mm(ZHAGA compliant)
- High color rendering(CRI > 80)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 173Lm/W@250mA
- Conectores tipo push-pull

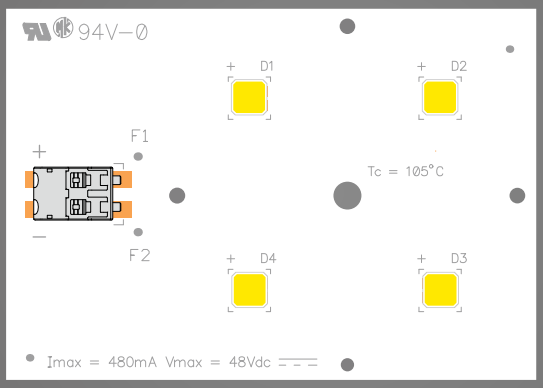
Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
MK5050-15873	1,848lm	1,692lm	3,000K	>80	44.8V	48.0V	250mA	12.0W	480mA	154lm/W	141lm/W
	2,460lm	2,250lm					300mA	15.0W		164lm/W	150lm/W
	2,868lm	2,626lm					400mA	20.2W		142lm/W	130lm/W
	2,076lm	1,920lm	4,000K				250mA	12.0W		173lm/W	160lm/W
	2,535lm	2,340lm					300mA	15.0W		169lm/W	156lm/W
	3,110lm	2,868lm					400mA	20.2W		154lm/W	142lm/W
	2,076lm	1,920lm	5,000K				250mA	12.0W		173lm/W	160lm/W
	2,535lm	2,340lm					300mA	15.0W		169lm/W	156lm/W
	3,110lm	2,868lm					400mA	20.2W		154lm/W	142lm/W

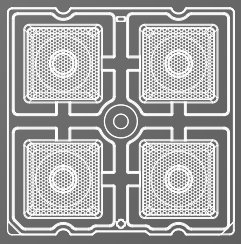
1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by LUXEON. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

Linear-Z LED-module

MK5050-4H1-50D-48V-15W-7049R5-16201

MANKUN
Manufacturer Of LED Lighting Solution





4H1 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 72 x 49mm(ZHAGA compliant)
- High color rendering(CRI > 80)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 173Lm/W@250mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
MK5050-16201	1,848lm	1,692lm	3,000K	>80	44.8V	48.0V	250mA	12.0W	480mA	154lm/W	141lm/W
	2,460lm	2,250lm					300mA	15.0W		164lm/W	150lm/W
	2,868lm	2,626lm					400mA	20.2W		142lm/W	130lm/W
	2,076lm	1,920lm	4,000K				250mA	12.0W		173lm/W	160lm/W
	2,535lm	2,340lm					300mA	15.0W		169lm/W	156lm/W
	3,110lm	2,868lm					400mA	20.2W		154lm/W	142lm/W
	2,076lm	1,920lm	5,000K				250mA	12.0W		173lm/W	160lm/W
	2,535lm	2,340lm					300mA	15.0W		169lm/W	156lm/W
	3,110lm	2,868lm					400mA	20.2W		154lm/W	142lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by LUXEON. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

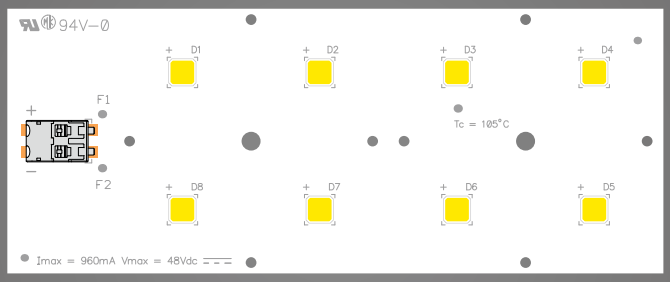
Linear-Z LED-module

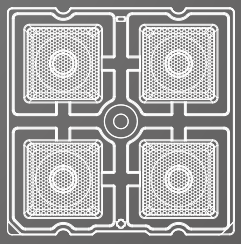
MK5050-4H2-50D-48V-30W-120R849R5-16202

LUMILEDS on board | System Effizienz 173lm/W | CRI 80+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

MANKUN
Manufacturer Of LED Lighting Solution

constant CURRENT | ESD | RoHS | Zhaga





4H1 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 120.8 x 49.5mm(ZHAGA compliant)
- High color rendering(CRI > 80)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 173Lm/W@500mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
MK5050-16202	3,696lm	3,384lm	3,000K	>80	44.8V	48.0V	500mA	24.0W	960mA	154lm/W	141lm/W
	4,920lm	4,500lm					600mA	30.0W		164lm/W	150lm/W
	5,736lm	5,252lm					800mA	40.4W		142lm/W	130lm/W
	4,152lm	3,840lm	4,000K				500mA	24.0W		173lm/W	160lm/W
	5,070lm	4,680lm					600mA	30.0W		169lm/W	156lm/W
	6,220lm	5,736lm					800mA	40.4W		154lm/W	142lm/W
	4,152lm	3,840lm	5,000K				500mA	24.0W		173lm/W	160lm/W
	5,070lm	4,680lm					600mA	30.0W		169lm/W	156lm/W
	6,220lm	5,736lm					800mA	40.4W		154lm/W	142lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by LUXEON. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

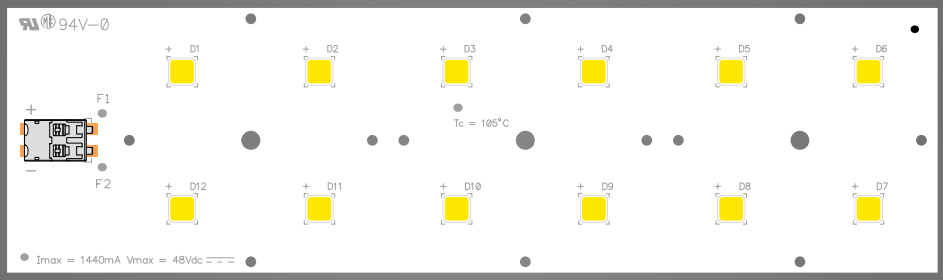
Linear-Z LED-module

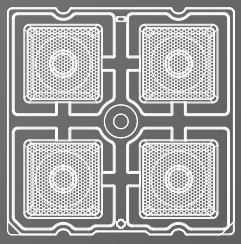
MK5050-4H3-50D-48V-45W-171R649R5-16203

LUMILEDS on board | System Effizienz 173lm/W | CRI 80+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

MANKUN
Manufacturer Of LED Lighting Solution

constant CURRENT | ESD | RoHS | Zhaga





4H1 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 171.6 x 49.5mm(ZHAGA compliant)
- High color rendering(CRI > 80)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 173Lm/W@750mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
MK5050-16203	5,544lm	5,076lm	3,000K	>80	44.8V	48.0V	750mA	36.0W	1440mA	154lm/W	141lm/W
	7,380lm	6,750lm					900mA	45.0W		164lm/W	150lm/W
	8,604lm	7,878lm					1200mA	60.6W		142lm/W	130lm/W
	6,228lm	5,760lm	4,000K				750mA	36.0W		173lm/W	160lm/W
	7,605lm	7,020lm					900mA	45.0W		169lm/W	156lm/W
	9,330lm	8,604lm					1200mA	60.6W		154lm/W	142lm/W
	6,228lm	5,760lm	5,000K				750mA	36.0W		173lm/W	160lm/W
	7,605lm	7,020lm					900mA	45.0W		169lm/W	156lm/W
	9,330lm	8,604lm					1200mA	60.6W		154lm/W	142lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by LUXEON. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

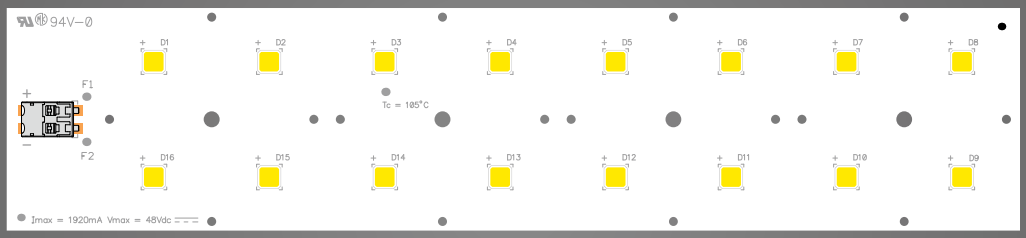
MANKUN
Manufacturer Of LED Lighting Solution

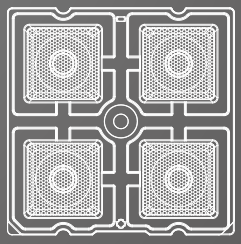
Linear-Z LED-module

MK5050-4H4-50D-48V-60W-222R449R5-16204

LUMILEDS on board | System Effizienz 173lm/W | CRI 80+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

constant CURRENT | ESD | RoHS | Zhaga





4H1 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 222.4 x 49.5mm(ZHAGA compliant)
- High color rendering(CRI > 70)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 173Lm/W@1000mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
MK5050-16204	7,392lm	6,768lm	3,000K	>80	44.8V	48.0V	1000mA	48.0W	1920mA	154lm/W	141lm/W
	9,840lm	9,000lm					1200mA	60.0W		164lm/W	150lm/W
	11,472lm	10,504lm					1600mA	80.8W		142lm/W	130lm/W
	8,304lm	7,680lm	4,000K				1000mA	48.0W		173lm/W	160lm/W
	10,140lm	9,360lm					1200mA	60.0W		169lm/W	156lm/W
	12,440lm	11,472lm					1600mA	80.8W		154lm/W	142lm/W
	8,304lm	7,680lm	5,000K				1000mA	48.0W		173lm/W	160lm/W
	10,140lm	9,360lm					1200mA	60.0W		169lm/W	156lm/W
	12,440lm	11,472lm					1600mA	80.8W		154lm/W	142lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by LUXEON. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

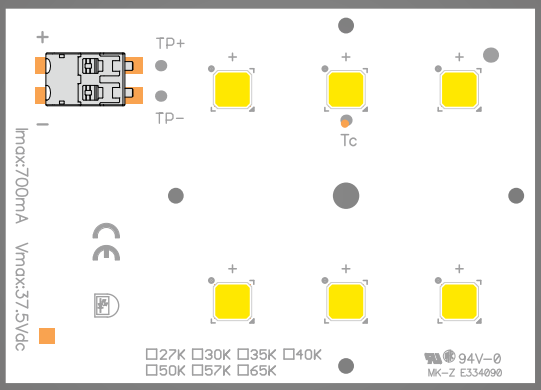
Linear-Z LED-module

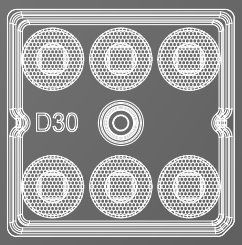
MK5050-6H1-50B-36V-24W-7049R5-20042

OSRAM on board | System Effizienz 180lm/W | CRI 70+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

MANKUN
Manufacturer Of LED Lighting Solution

constant CURRENT | ESD | RoHS | Zhaga





6H1 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 72 x 49.5mm(ZHAGA compliant)
- High color rendering(CRI > 70)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 180Lm/W@640mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
MK5050-20042	3,080lm	2,794lm	3,000K	>70	31.2V	38.1V	600mA	22.0W	1200mA	140lm/W	127lm/W
	3,240lm	2,880lm					640mA	24.0W		135lm/W	120lm/W
	3,947lm	3,488lm					800mA	30.6W		129lm/W	114lm/W
	3,784lm	3,520lm	4,000K				600mA	22.0W		172lm/W	160lm/W
	4,080lm	3,720lm					640mA	24.0W		170lm/W	155lm/W
	4,957lm	4,559lm					800mA	30.6W		162lm/W	149lm/W
	3,784lm	3,520lm	5,000K				600mA	22.0W		172lm/W	160lm/W
	4,080lm	3,720lm					640mA	24.0W		170lm/W	155lm/W
	4,957lm	4,559lm					800mA	30.6W		162lm/W	149lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by OSRAM. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

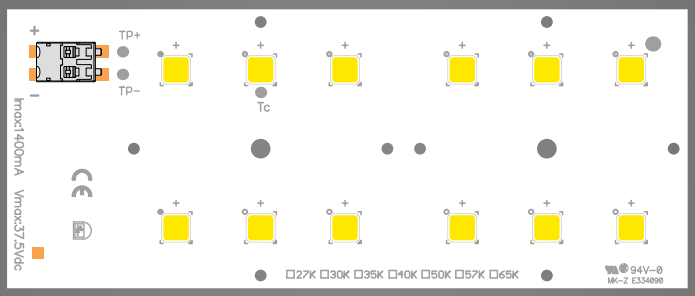
Linear-Z LED-module

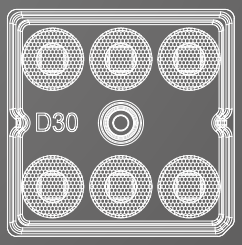
MK5050-6H2-50B-36V-48W-120R849R5-20043/20044

MANKUN
Manufacturer Of LED Lighting Solution

OSRAM on board | System Effizienz 180lm/W | CRI 70+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

constant CURRENT | ESD | RoHS | Zhaga





6H1 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 120.8 x 49.5mm(ZHAGA compliant)
- High color rendering(CRI > 70)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 180Lm/W@640mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
MK5050-20043	6,160lm	5,588lm	3,000K	>70	31.2V	38.1V	1200mA	44.0W	2400mA	140lm/W	127lm/W
	6,480lm	5,760lm					1280mA	48.0W		135lm/W	120lm/W
	7,686lm	6,954lm					1600mA	61.0W		129lm/W	114lm/W
	7,568lm	7,040lm	4,000K				1200mA	44.0W		172lm/W	160lm/W
	8,160lm	7,440lm					1280mA	48.0W		170lm/W	155lm/W
	9,882lm	9,089lm					1600mA	61.0W		162lm/W	149lm/W
	7,568lm	7,040lm	5,000K				1200mA	44.0W		172lm/W	160lm/W
	8,160lm	7,440lm					1280mA	48.0W		170lm/W	155lm/W
	9,882lm	9,089lm					1600mA	61.0W		162lm/W	149lm/W
MK5050-20044	6,160lm	5,588lm	3,000K	>70	62.4V	76.2V	600mA	44.0W	1200mA	140lm/W	127lm/W
	6,480lm	5,760lm					640mA	48.0W		135lm/W	120lm/W
	7,686lm	6,954lm					800mA	61.0W		129lm/W	114lm/W
	7,568lm	7,040lm	4,000K				600mA	44.0W		172lm/W	160lm/W
	8,160lm	7,440lm					640mA	48.0W		170lm/W	155lm/W
	9,882lm	9,089lm					800mA	61.0W		162lm/W	149lm/W
	7,568lm	7,040lm	5,000K				600mA	44.0W		172lm/W	160lm/W
	8,160lm	7,440lm					640mA	48.0W		170lm/W	155lm/W
	9,882lm	9,089lm					800mA	61.0W		162lm/W	149lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by OSRAM. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

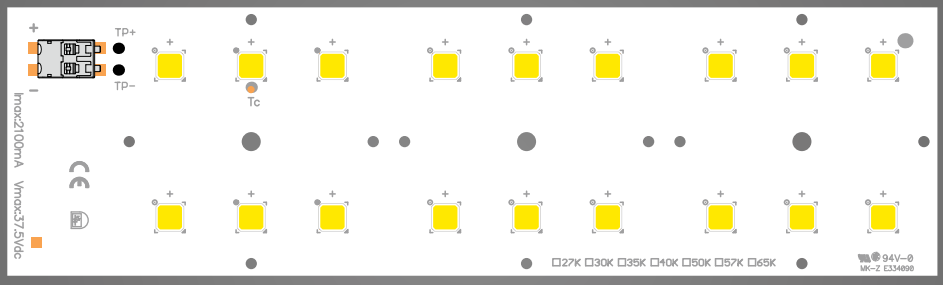
Linear-Z LED-module

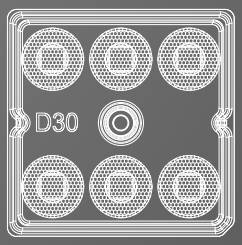
MK5050-6H3-50B-36V-72W-171R649R5-20045

OSRAM on board | System Effizienz 180lm/W | CRI 70+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

MANKUN
Manufacturer Of LED Lighting Solution

constant CURRENT | ESD | RoHS | Zhaga





6H1 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 171.6 x 49.5mm(ZHAGA compliant)
- High color rendering(CRI > 70)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 180Lm/W@640mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
MK5050-20045	9,240lm	8,382lm	3,000K	>70	31.2V	38.1V	1800mA	66.0W	3600mA	140lm/W	127lm/W
	9,720lm	8,640lm					1920mA	72.0W		135lm/W	120lm/W
	11,842lm	10,420lm					2400mA	91.8W		129lm/W	114lm/W
	11,352lm	10,560lm	4,000K				1800mA	66.0W		172lm/W	160lm/W
	12,240lm	11,160lm					1920mA	72.0W		170lm/W	155lm/W
	14,871lm	13,678lm					2400mA	91.8W		162lm/W	149lm/W
	11,352lm	10,560lm	5,000K				1800mA	66.0W		172lm/W	160lm/W
	12,240lm	11,160lm					1920mA	72.0W		170lm/W	155lm/W
	14,871lm	13,678lm					2400mA	91.8W		162lm/W	149lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by OSRAM. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

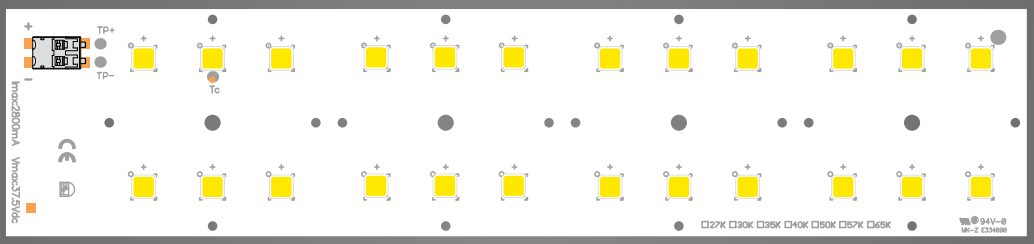
Linear-Z LED-module

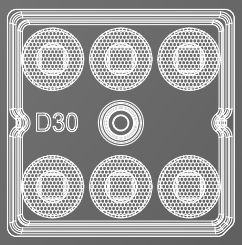
MK5050-6H4-50B-36V-96W-222R449R5-20046/20047

MANKUN
Manufacturer Of LED Lighting Solution

OSRAM on board | System Effizienz 180lm/W | CRI 70+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

constant CURRENT | ESD | RoHS | Zhaga





6H1 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 222.4 x 49.5mm(ZHAGA compliant)
- High color rendering(CRI > 70)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 180Lm/W@640mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
MK5050-20046	12,320lm	11,176lm	3,000K	>70	31.2V	38.1V	2400mA	88.0W	4800mA	140lm/W	127lm/W
	12,960lm	11,520lm					2550mA	96.0W		135lm/W	120lm/W
	15,738lm	13,908lm					3200mA	122.0W		129lm/W	114lm/W
	15,136lm	14,080lm	4,000K				2400mA	88.0W		172lm/W	160lm/W
	16,320lm	14,880lm					2550mA	96.0W		170lm/W	155lm/W
	19,764lm	18,178lm					3200mA	122.0W		162lm/W	149lm/W
	15,136lm	14,080lm	5,000K				2400mA	88.0W		172lm/W	160lm/W
	16,320lm	14,880lm					2550mA	96.0W		170lm/W	155lm/W
	19,764lm	18,178lm					3200mA	122.0W		162lm/W	149lm/W
MK5050-20047	12,320lm	11,176lm	3,000K	>70	62.4V	76.2V	1200mA	88.0W	2400mA	140lm/W	127lm/W
	12,960lm	11,520lm					1280mA	96.0W		135lm/W	120lm/W
	15,738lm	13,908lm					1600mA	122.0W		129lm/W	114lm/W
	15,136lm	14,080lm	4,000K				1200mA	88.0W		172lm/W	160lm/W
	16,320lm	14,880lm					1280mA	96.0W		170lm/W	155lm/W
	19,764lm	18,178lm					1600mA	122.0W		162lm/W	149lm/W
	15,136lm	14,080lm	5,000K				1200mA	88.0W		172lm/W	160lm/W
	16,320lm	14,880lm					1280mA	96.0W		170lm/W	155lm/W
	19,764lm	18,178lm					1600mA	122.0W		162lm/W	149lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by OSRAM. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

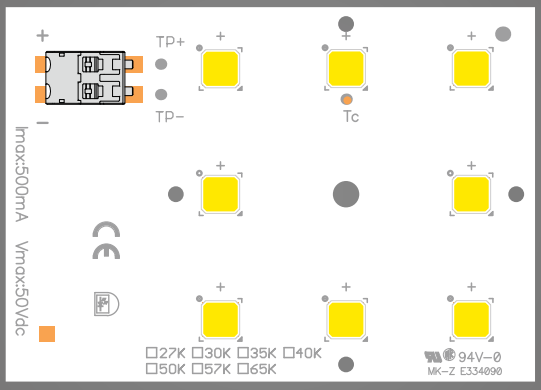
Linear-Z LED-module

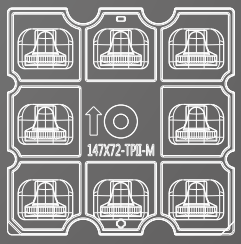
MK5050-8H1-50B-48V-24W-7049R5-20048

MANKUN
Manufacturer Of LED Lighting Solution

OSRAM on board | System Effizienz 190lm/W | CRI 70+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

constant CURRENT | ESD | RoHS | zhaga





8H1 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 72 x 49.5mm(ZHAGA compliant)
- High color rendering(CRI > 70)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 190Lm/W@500mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
MK5050-20048	3,600lm	3,288lm	3,000K	>70	41.6V	50.8V	510mA	24.0W	1200mA	150lm/W	137lm/W
	4,320lm	3,840lm					640mA	32.0W		135lm/W	120lm/W
	5,263lm	4,651lm					800mA	40.8W		129lm/W	114lm/W
	4,560lm	4,200lm	4,000K				510mA	24.0W		190lm/W	175lm/W
	5,440lm	4,960lm					640mA	32.0W		170lm/W	155lm/W
	6,609lm	6,079lm					800mA	40.8W		162lm/W	149lm/W
	4,560lm	4,200lm	5,000K				510mA	24.0W		190lm/W	175lm/W
	5,440lm	4,960lm					640mA	32.0W		170lm/W	155lm/W
	6,609lm	6,079lm					800mA	40.8W		162lm/W	149lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by OSRAM. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

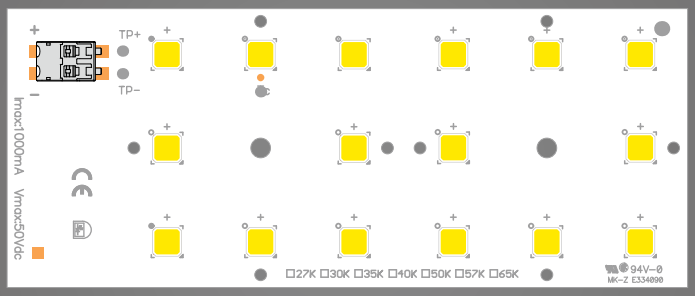
Linear-Z LED-module

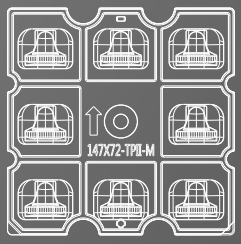
MK5050-8H2-50B-48V-48W-120R849R5-20049

OSRAM on board | System Effizienz 190lm/W | CRI 70+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

MANKUN
Manufacturer Of LED Lighting Solution

constant CURRENT | ESD | RoHS | Zhaga





8H1 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 120.8 x 49.5mm(ZHAGA compliant)
- High color rendering(CRI > 70)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 190Lm/W@500mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
MK5050-20048	7,200lm	6,576lm	3,000K	>70	41.6V	50.8V	1020mA	48.0W	2400mA	150lm/W	137lm/W
	8,640lm	7,680lm					1280mA	64.0W		135lm/W	120lm/W
	10,526lm	9,302lm					1600mA	81.6W		129lm/W	114lm/W
	9,120lm	8,400lm	4,000K				1020mA	48.0W		190lm/W	175lm/W
	10,880lm	9,900lm					1280mA	64.0W		170lm/W	155lm/W
	13,219lm	12,158lm					1600mA	81.6W		162lm/W	149lm/W
	9,120lm	8,400lm	5,000K				1020mA	48.0W		190lm/W	175lm/W
	10,880lm	9,920lm					1280mA	64.0W		170lm/W	155lm/W
	13,219lm	12,158lm					1600mA	81.6W		162lm/W	149lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by OSRAM. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

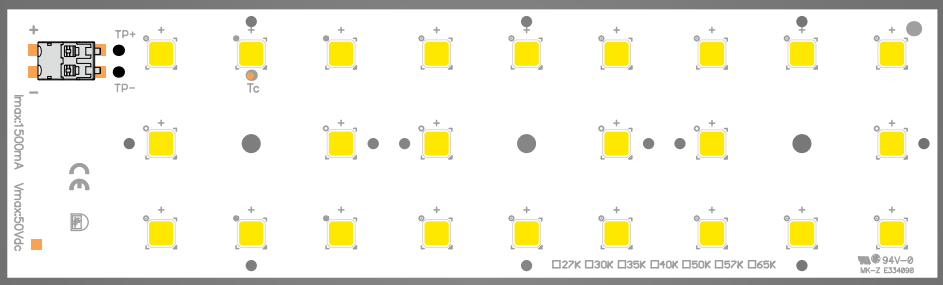
Linear-Z LED-module

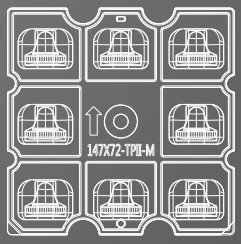
MK5050-8H3-50B-48V-72W-171R649R5-20050

MANKUN
Manufacturer Of LED Lighting Solution

OSRAM on board | System Effizienz 190lm/W | CRI 70+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

constant CURRENT | ESD | RoHS | Zhaga





8H1 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 171.6 x 49.5mm(ZHAGA compliant)
- High color rendering(CRI > 70)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 190Lm/W@500mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
MK5050-20050	10,800lm	9,864lm	3,000K	>70	41.6V	50.8V	1530mA	72.0W	3600mA	150lm/W	137lm/W
	12,960lm	11,520lm					1920mA	96.0W		135lm/W	120lm/W
	17,789lm	13,953lm					2400mA	122.4W		129lm/W	114lm/W
	13,680lm	12,600lm	4,000K				1530mA	72.0W		190lm/W	175lm/W
	16,320lm	14,880lm					1920mA	96.0W		170lm/W	155lm/W
	19,827lm	18,237lm					2400mA	122.4W		162lm/W	149lm/W
	13,680lm	12,600lm	5,000K				1530mA	72.0W		190lm/W	175lm/W
	16,320lm	14,880lm					1920mA	96.0W		170lm/W	155lm/W
	19,827lm	18,237lm					2400mA	122.4W		162lm/W	149lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by OSRAM. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

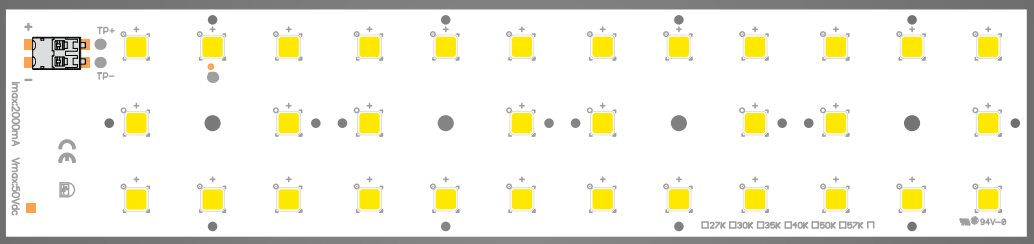
Linear-Z LED-module

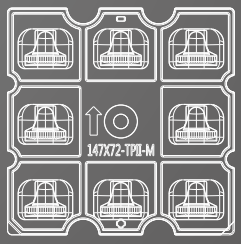
MK5050-8H4-50B-48V-96W-222R449R5-20051

OSRAM on board | System Effizienz 190lm/W | CRI 70+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

MANKUN
Manufacturer Of LED Lighting Solution

constant CURRENT | ESD | RoHS | Zhaga





8H1 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 222.4 x 49.5mm(ZHAGA compliant)
- High color rendering(CRI > 70)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 190Lm/W@500mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
MK5050-20051	14,400lm	13,152lm	3,000K	>70	41.6V	50.8V	2040mA	96.0W	4800mA	150lm/W	137lm/W
	17,280lm	15,360lm					2560mA	128.0W		135lm/W	120lm/W
	21,052lm	18,604lm					3200mA	163.2W		129lm/W	114lm/W
	18,240lm	16,800lm	4,000K				2040mA	96.0W		190lm/W	175lm/W
	21,760lm	19,840lm					2560mA	128.0W		170lm/W	155lm/W
	26,438lm	24,316lm					3200mA	163.2W		162lm/W	149lm/W
	18,240lm	16,800lm	5,000K				2040mA	96.0W		190lm/W	175lm/W
	21,760lm	19,840lm					2560mA	128.0W		170lm/W	155lm/W
	26,438lm	24,316lm					3200mA	163.2W		162lm/W	149lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by OSRAM. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

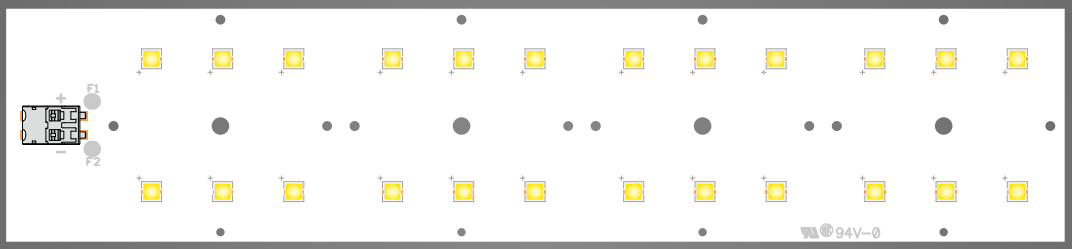
Linear-Z LED-module

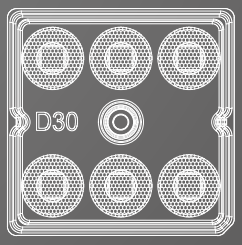
MK5050-6H4-35A-36V-48W-222R449R5-16106

MANKUN
Manufacturer Of LED Lighting Solution

CREE on board | System Effizienz 179lm/W | CRI 80+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

constant CURRENT | ESD | RoHS | zhaga





6H1 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 223 x 49mm(ZHAGA compliant)
- High color rendering(CRI > 80)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 179Lm/W@700mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
MK5050-16106	3,830lm	3,693lm	3,000K	>80	33.6V	36.0V	700mA	22.8W	3000mA	168lm/W	162lm/W
	7,200lm	6,816lm					1400mA	48.0W		150lm/W	142lm/W
	9,547lm	8,845lm					2100mA	70.2W		136lm/W	126lm/W
	4,081lm	3,921lm	4,000K				700mA	22.8W		179lm/W	172lm/W
	7,680lm	7,248lm					1400mA	48.0W		160lm/W	151lm/W
	10,179lm	9,477lm					2100mA	70.2W		145lm/W	135lm/W
	4,081lm	3,921lm	5,000K				700mA	22.8W		179lm/W	172lm/W
	7,680lm	7,248lm					1400mA	48.0W		160lm/W	151lm/W
	10,179lm	9,477lm					2100mA	70.2W		145lm/W	135lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by CREE. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

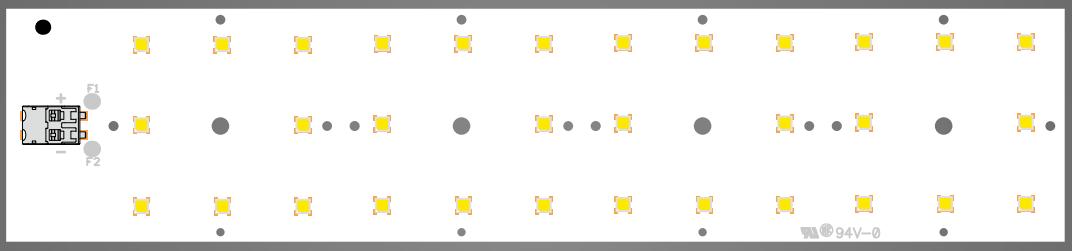
Linear-Z LED-module

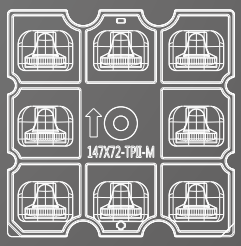
MK5050-6H1-30B-48V-23W-222R449R5-16113

LUMILEDS on board | System Effizienz 180lm/W | CRI 80+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

MANKUN
Manufacturer Of LED Lighting Solution

constant CURRENT | ESD | RoHS | Zhaga





6H1 IP65 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 223 x 49mm(ZHAGA compliant)
- High color rendering(CRI > 80)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 180Lm/W@400mA
- Conectores tipo push-pull

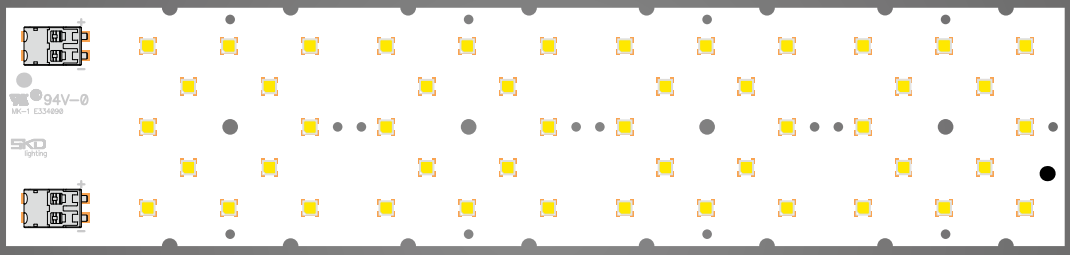
Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
	2,986lm	2,853lm					400mA	18.9W		158lm/W	151lm/W
16113W21L7DG	3,496lm	3,335lm	3,000K				480mA	23.0W		152lm/W	145lm/W
	4,233lm	4,057lm					600mA	29.4W		144lm/W	138lm/W
	3,250lm	3,119lm					400mA	18.9W		172lm/W	165lm/W
16113W21N5DG	3,841lm	3,680lm	4,000K	>80	46.4V	48.0V	480mA	23.0W	640mA	167lm/W	160lm/W
	4,645lm	4,439lm					600mA	29.4W		158lm/W	151lm/W
	3,402lm	3,250lm					400mA	18.9W		180lm/W	172lm/W
16113W21P3FG	4,002lm	3,841lm	5,000K				480mA	23.0W		174lm/W	167lm/W
	4,821lm	4,645lm					600mA	29.4W		164lm/W	158lm/W

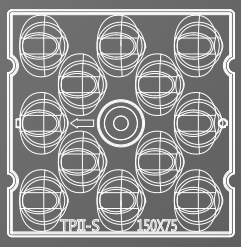
1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by LUXEON. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

Linear-Z LED-module

MK5050-16H1-30B-48V-35W-222R449R5-15589

MANKUN
Manufacturer Of LED Lighting Solution





12H1 IP65 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 223 x 49mm(ZHAGA compliant)
- High color rendering(CRI > 80)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 180Lm/W@600mA
- Conectores tipo push-pull

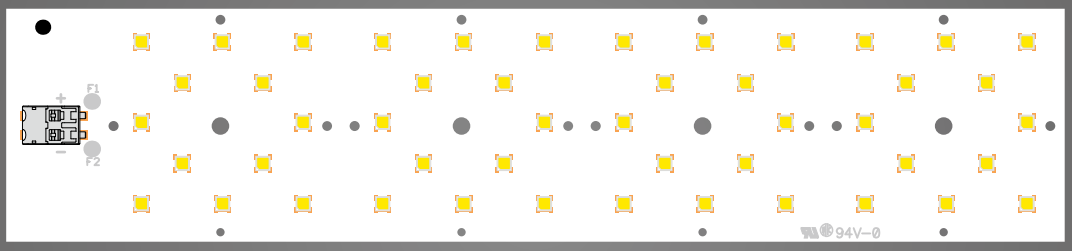
Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
	4,471lm	4,273lm					600mA	28.3W		158lm/W	151lm/W
15589W21L7DG	5,259lm	5,017lm	3,000K				720mA	34.6W		152lm/W	145lm/W
	6,350lm	6,085lm					900mA	44.1W		144lm/W	138lm/W
	4,867lm	4,669lm					600mA	28.3W		172lm/W	165lm/W
15589W21N5DG	5,778lm	5,536lm	4,000K	>80	46.4V	48.0V	720mA	34.6W	960mA	167lm/W	160lm/W
	6,967lm	6,659lm					900mA	44.1W		158lm/W	151lm/W
	5,094lm	4,867lm					600mA	28.3W		180lm/W	172lm/W
15589W21P3FG	6,021lm	5,778lm	5,000K				720mA	34.6W		174lm/W	167lm/W
	7,232lm	6,967lm					900mA	44.1W		164lm/W	158lm/W

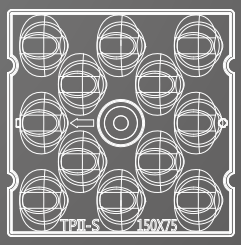
1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by LUXEON. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

Linear-Z LED-module

MK5050-16H1-30B-36V-35W-222R449R5-16110

MANKUN
Manufacturer Of LED Lighting Solution





12H1 IP65 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 223 x 49mm(ZHAGA compliant)
- High color rendering(CRI > 80)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 180Lm/W@800mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
	4,471lm	4,273lm					800mA	28.3W		158lm/W	151lm/W
16110W21L7DG	5,259lm	5,017lm	3,000K				960mA	34.6W		152lm/W	145lm/W
	6,350lm	6,085lm					1200mA	44.1W		144lm/W	138lm/W
	4,867lm	4,669lm					800mA	28.3W		172lm/W	165lm/W
16110W21N5DG	5,778lm	5,536lm	4,000K	>80	34.8V	36.0V	960mA	34.6W	1280mA	167lm/W	160lm/W
	6,967lm	6,659lm					1200mA	44.1W		158lm/W	151lm/W
	5,094lm	4,867lm					800mA	28.3W		180lm/W	172lm/W
16110W21P3FG	6,021lm	5,778lm	5,000K				960mA	34.6W		174lm/W	167lm/W
	7,232lm	6,967lm					1200mA	44.1W		164lm/W	158lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by LUXEON. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

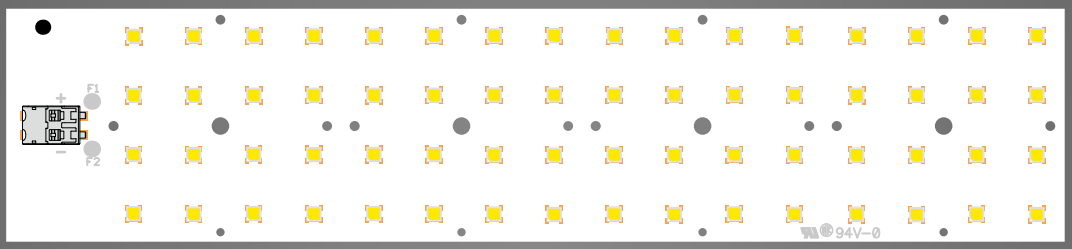
Linear-Z LED-module

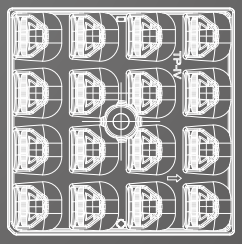
MK5050-16H1-30B-48V-46W-222R449R5-16111

LUMILEDS on board | System Effizienz 180lm/W | CRI 80+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

MANKUN
Manufacturer Of LED Lighting Solution

constant CURRENT | ESD | RoHS | Zhaga





16H1 IP65 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 223 x 49mm(ZHAGA compliant)
- High color rendering(CRI > 80)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 180Lm/W@800mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
16111W21L7DG	5,972lm	5,707lm	3,000K	>80	46.4V	48.0V	800mA	37.8W	1280mA	158lm/W	151lm/W
	7,007lm	6,684lm					960mA	46.1W		152lm/W	145lm/W
	8,481lm	8,128lm					1200mA	58.9W		144lm/W	138lm/W
16111W21N5DG	6,501lm	6,237lm	4,000K				800mA	37.8W		172lm/W	165lm/W
	7,698lm	7,376lm					960mA	46.1W		167lm/W	160lm/W
	9,306lm	8,893lm					1200mA	58.9W		158lm/W	151lm/W
16111W21P3FG	6,804lm	6,501lm	5,000K				800mA	37.8W		180lm/W	172lm/W
	8,021lm	7,698lm					960mA	46.1W		174lm/W	167lm/W
	9,659lm	9,306lm					1200mA	58.9W		164lm/W	158lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by LUXEON. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.

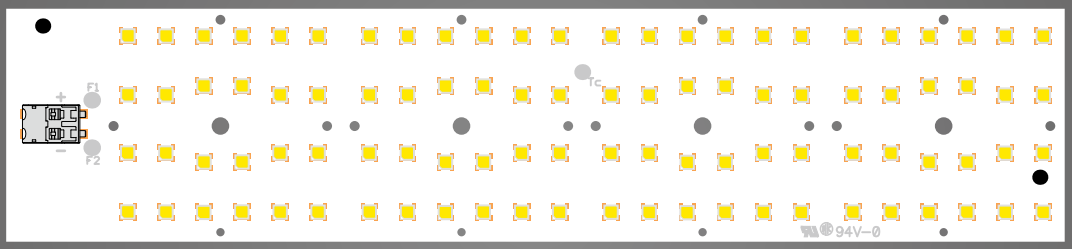
Linear-Z LED-module

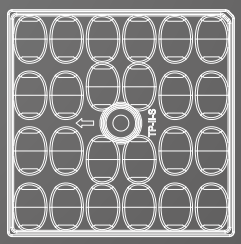
MK5050-24H1-30B-48V-56W-222R449R5-16112

MANKUN
Manufacturer Of LED Lighting Solution

LUMILEDS on board | System Effizienz 180lm/W | CRI 80+ | 120° Beam angle | 5SDCM MacAdam | SMD Terminal Block | 0.34-0.75mm

constant CURRENT | ESD | RoHS | zhaga





24H1 IP65 HIGH-BAY LENSES OF DARKOO.

Principais Aplicacoes:

- Luminarias comerciais
- High bay lighting
- Flood and Area lighting
- Urban street lighting
- Road lighting

Informacoes adicionais:

- Dimensoes: 223 x 49mm(ZHAGA compliant)
- High color rendering(CRI > 80)
- Excellent color consistency of 5 SDCM
- High efficacy of the module up to 209Lm/W@850mA
- Conectores tipo push-pull

Type	Typ. luminous flux at tp = 25 °C	Typ. luminous flux at tp = 65 °C	Typ. Colour temperature (CCT)	Colour rendering index CRI	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. forward current	Typ. power consumption at tp = 65 °C	Max. forward current	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C
	5,745lm	5,476lm					700mA	33.6W		171lm/W	163lm/W
16112W21L7DG	7,065lm	6,720lm	3,000K				850mA	38.4W		184lm/W	175lm/W
	8,618lm	8,221lm					1200mA	56.7W		152lm/W	145lm/W
	6,283lm	6,014lm					700mA	33.6W		187lm/W	179lm/W
16112W21N5DG	7,718lm	7,372lm	4,000K	>80	46.4V	48.0V	850mA	38.4W	1920mA	201lm/W	192lm/W
	9,412lm	9,015lm					1200mA	56.7W		166lm/W	159lm/W
	6,518lm	6,283lm					700mA	33.6W		194lm/W	187lm/W
16112W21P3FG	8,025lm	7,372lm	5,000K				850mA	38.4W		209lm/W	192lm/W
	9,809lm	9,412lm					1200mA	56.7W		173lm/W	166lm/W

1. Other color temperatures under consultation.
2. The values of Luminous Flux, Efficiency, Tension and Power are based on technical data provided by LUXEON. Optical losses are not being considered and thermal (luminaire mechanic) or electrical losses (LED Driver). All technical data refer only to the LED module. To get the final result of the lamp, must undergo tests in laboratories accredited by EVERFINE. All values are theoretical, and there may be variations in the end result.
3. Medium tension of the module. This value may vary between +/-15%. This variation should be considered in choosing LED Driver.