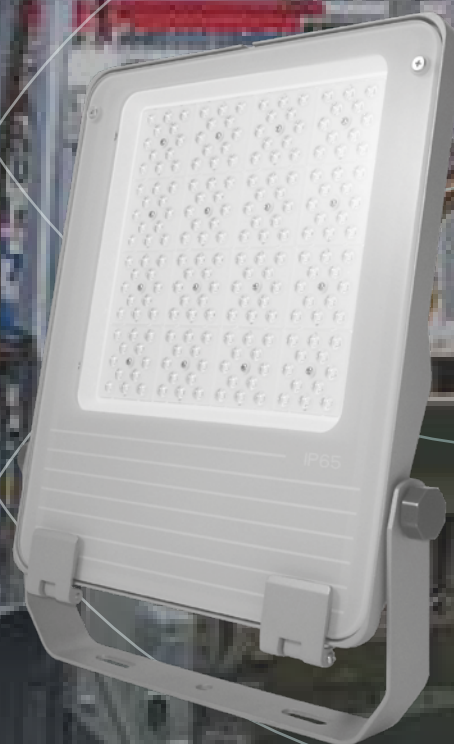


www.tempLED.de


tempLED



MULTI-PURPOSE LIGHT

tempLED RayFlex

30 | 40 | 50 | 75 | 96 | 145 | 200 | 230 | 260 | 300

HALL LIGHTING 

OUTDOOR LIGHTING 

tempLED

solid and powder-coated luminaire housing with integrated high-performance heat sink made of die-cast aluminium



pressure compensation membrane to prevent condensation



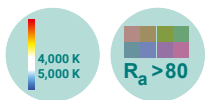
modular overall structure with exchangeable and replaceable main components



energy-efficient constant current power supplies with optional constant lumen output (CLO)



durable and bright LED light field



UV-resistant high-performance optical system with one practical beam angle (RayFlex 96 to 300 only)



impact-resistant cover plate made of toughened safety glass



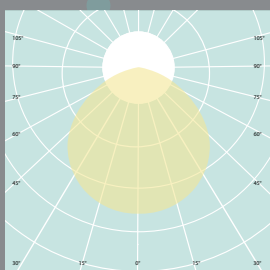
initial system efficiency up to 140 lm / w



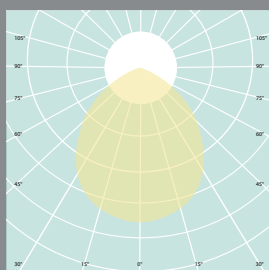
Light distribution curves tempLED RayFlex

30 | 40 | 50 | 75

96 | 145 | 200 | 230 | 260 | 300



110 degrees symmetrical no optical system

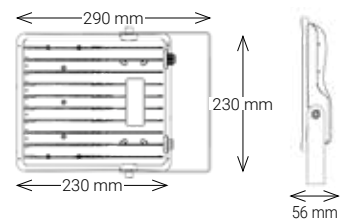


90 degrees symmetrical optical system

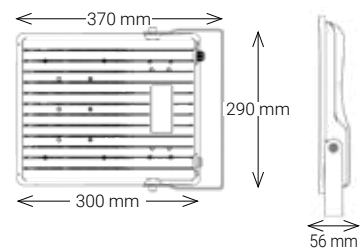
tempLED
tempLED RayFlex

Dimensions

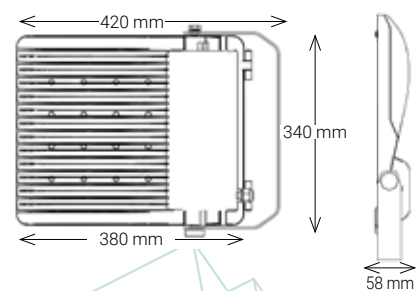
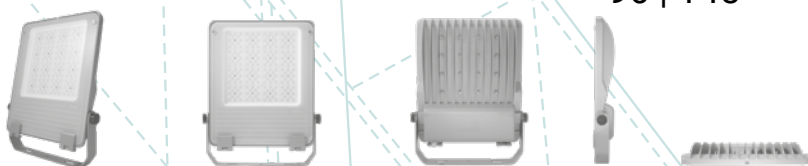
30 | 40 | 50



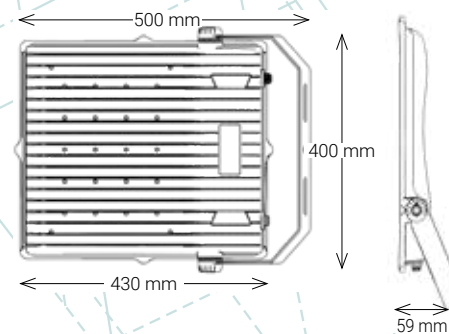
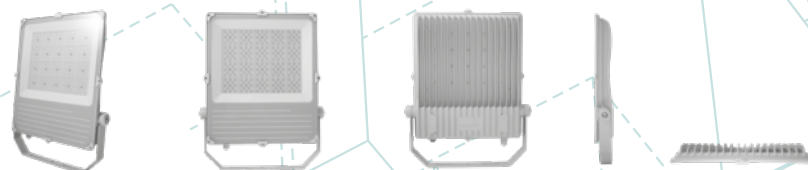
75



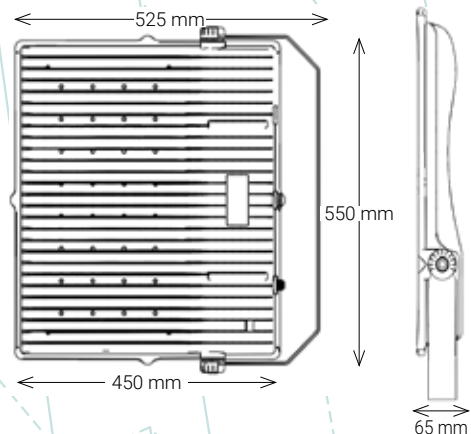
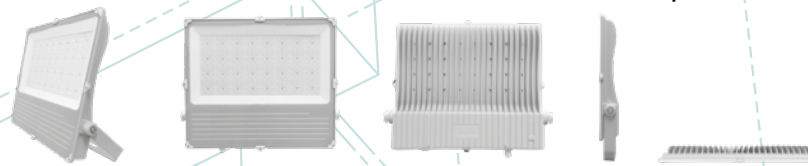
96 | 145



200 | 230



260 | 300



Mounting options tempLED RayFlex
30 | 40 | 50 | 75 | 96 | 145 | 200 | 230 | 260 | 300

bracket mounting¹



¹ Adjustment range for surface mounting with standard mounting bracket: -90 to +90 degrees.

General technical data

according to IEC, identical for all types of luminaires



Lighting properties:

initial luminous flux:	4,200 to 40,500 lumens
luminous flux tolerance:	± 10 percent
initial system efficiency:	up to 140 lumens / watt
initial, most similar color temperature:	4,000 kelvins 5,000 kelvins ¹
initial color rendering index (CRI):	Ra > 80
initial color consistency:	< 5 SDCM
available symmetrical beam angles:	90 110 degrees
photobiological safety:	IEC/TR 62778: 1
compact flicker degree (CFD):	on request

Electrotechnical properties:

power supply AC (valid for high-voltage types only):	100 to 240 volts
power supply AC (valid for low-voltage types only):	42 to 48 volts
supply frequency:	50 / 60 hertz
system performance:	30 to 300 watts
system performance tolerance:	± 10 percent
power factor:	> 0.90
overvoltage protection:	yes
overheating protection:	yes
temperature monitoring:	yes
total harmonic distortion (THD):	< 10 percent
temperature classification (ATEX):	T5
Tc - temperature:	+90 degrees Celsius

Energy characteristics:

Valid for all tempLED RayFlex 30/40/50/75/96/145/300:	This product contains a light source of energy efficiency class D.
Valid for all tempLED RayFlex 200/230:	This product contains a light source of energy efficiency class E.

Mounting options:

standard mounting options:	mounting bracket with adjustment range -90 to +90 degrees
----------------------------	---

¹ additional color temperatures on request.

Housing properties:

ambient temperature:	-40 to +50 degrees Celsius
ingress protection:	IP 65
impact resistance level:	IK07
electrical protection class (valid for high-voltage types only):	I
electrical protection class (valid for low-voltage types only):	III
limited surface temperatur (D):	yes, high-voltage types only
pressure compensation membrane:	yes
housing and heat sink material(s):	die-cast aluminum
material(s) and finish of the standard ceiling bracket:	steel, powder-coated in white aluminium according to RAL 9006 ¹
material of optical system (valid for RayFlex 96-300 only):	UV-resistant polycarbonate
cover plate material:	thougened safety glass, clear
luminaire housing color:	white aluminium according to RAL 9006 ¹
surface finish:	powder coating ¹
supply cable type:	H05RN-F 3G1
supply cable length (valid for high-voltage types only):	100 centimeters
supply cable length (valid for low-voltage types only):	1,000 centimeters
supply cable inlet:	cable gland
supply cable connection type (valid for high-voltage types only):	open cable end
suppy cable connection type (valid for low-voltage types only)	Mennekes - plug 656 A
number of poles:	3 grid

Additional information:

certificates:	ENEC in preparation
conformities:	CE and RoHS
lifespan (L70B10C1):	approx. 100,000 hours
lifespan (L90B10C1):	approx. 50,000 hours
guarantee:	5 years ²
spare part guarantee:	10 years
delievery includes:	luminaire and mounting bracket

¹ optional luminaire housing colors and finishes: Paintings according to RAL colour chart, powder coatings according to RAL colour chart or synthetic resin coating.

² according to the warranty conditions of tempLED GmbH, excluding accessories.

Logistic information:

luminaire:	RayFlex 30 40 50	RayFlex 75	RayFlex 96 145	RayFlex 200 230	RayFlex 260 300
number of luminaires per package:	1	1	1	1	1
number of luminaires per pallet:	300	175	85	68	51
net weight of the luminaire:	1,700 to 1,800 g	2,750 g	4,700 g 4,800 g	5,800 g 5,900 g	11,300 g
gross weight per package:	1,800 to 1,900 g	2,800 g	5,400 g 5,600 g	6,800 g 6,900 g	11,500 g
package dimensions L x W x H:	320 x 230 x 105 mm	395 x 300 x 105 mm	475 x 370 x 115 mm	540 x 420 x 115 mm	580 x 550 x 115 mm

high-voltage types (100 to 240 VAC - 50/60 Hz)

tempLED 30

	RayFlex 30 - 110	RayFlex 30 - 110
article number:	840034	840035
GTIN / EAN:	4260669195813	4260491846402
initial luminous flux:	4,200 lm	4,200 lm
initial system efficiency:	140 lm/w	140 lm/w
initial, most similar color temperature:	4,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	110 degrees	110 degrees
dimming / control:	on request	on request
system performance:	30 W	30 W
power consumption:	0.20 A	0.20 A
maximum inrush current:	40 A	40 A
dimensions (L x W x H):	230 x 56 x 290 mm	230 x 56 x 290 mm

tempLED 50

	RayFlex 50 - 110	RayFlex 50 - 110
article number:	840054	840055
GTIN / EAN:	4260669194939	4260491846419
initial luminous flux:	6,250 lm	6,250 lm
initial system efficiency:	125 lm/w	125 lm/w
initial, most similar color temperature:	4,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	110 degrees	110 degrees
dimming / control:	on request	on request
system performance:	50 W	50 W
power consumption:	0.30 A	0.30 A
maximum inrush current:	50 A	50 A
dimensions (L x W x H):	230 x 56 x 290 mm	230 x 56 x 290 mm

tempLED 75

	RayFlex 75 - 110	RayFlex 75 - 110
article number:	840074	840075
GTIN / EAN:	4260491844798	4260491846426
initial luminous flux:	10,125 lm	10,125 lm
initial system efficiency:	135 lm/w	135 lm/w
initial, most similar color temperature:	4,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	110 degrees	110 degrees
dimming / control:	on request	on request
system performance:	75 W	75 W
power consumption:	0.40 A	0.40 A
maximum inrush current:	150 A	150 A
dimensions (L x W x H):	290 x 56 x 370 mm	290 x 56 x 370 mm

high-voltage types (100 to 240 VAC - 50/60 Hz)

tempLED 96

	RayFlex 96 - 90	RayFlex 96 - 90
article number:	840104	840105
GTIN / EAN:	4260669194946	4260491846433
initial luminous flux:	13,440 lm	13,440 lm
initial system efficiency:	140 lm/w	140 lm/w
initial, most similar color temperature:	4,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	90 degrees	90 degrees
dimming / control:	on request	on request
system performance:	96 W	96 W
power consumption:	0.50 A	0.50 A
maximum inrush current:	150 A	150 A
dimensions (L x W x H):	340 x 58 x 420 mm	340 x 58 x 420 mm

STOCK
ITEM

tempLED 145

	RayFlex 145 - 90	RayFlex 145 - 90
article number:	840204	840205
GTIN / EAN:	4260491844781	4260491846440
initial luminous flux:	18,850 lm	18,850 lm
initial system efficiency:	130 lm/w	130 lm/w
initial, most similar color temperature:	4,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	90 degrees	90 degrees
dimming / control:	on request	on request
system performance:	145 W	145 W
power consumption:	0.70 A	0.70 A
maximum inrush current:	110 A	110 A
dimensions (L x W x H):	340 x 58 x 420 mm	340 x 58 x 420 mm

STOCK
ITEM

tempLED 200

	RayFlex 200 - 90	RayFlex 200 - 90
article number:	840304	840305
GTIN / EAN:	4260669195837	4260491846457
initial luminous flux:	24,000 lm	24,000 lm
initial system efficiency:	120 lm/w	120 lm/w
initial, most similar color temperature:	4,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	90 degrees	90 degrees
dimming / control:	on request	on request
system performance:	200 W	200 W
power consumption:	0.90 A	0.90 A
maximum inrush current:	110 A	110 A
dimensions (L x W x H):	400 x 59 x 495 mm	400 x 59 x 495 mm

STOCK
ITEM

high-voltage types (100 to 240 VAC - 50/60 Hz)

tempLED 230

	RayFlex 230 - 90	RayFlex 230 - 90
article number:	840404	840405
GTIN / EAN:	4260669195844	4260491846464
initial luminous flux:	26,450 lm	26,450 lm
initial system efficiency:	115 lm/w	115 lm/w
initial, most similar color temperature:	4,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	90 degrees	90 degrees
dimming / control:	on request	on request
system performance:	230 W	230 W
power consumption:	1.00 A	1.00 A
maximum inrush current:	110 A	110 A
dimensions (L x W x H):	400 x 59 x 495 mm	400 x 59 x 495 mm

tempLED 260

	RayFlex 260 - 90	RayFlex 260 - 90
article number:	840504	840505
GTIN / EAN:	4260669195851	4260491846471
initial luminous flux:	36,400 lm	36,400 lm
initial system efficiency:	140 lm/w	140 lm/w
initial, most similar color temperature:	4,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	90 degrees	90 degrees
dimming / control:	on request	on request
system performance:	260 W	260 W
power consumption:	1.20 A	1.20 A
maximum inrush current:	110 A	110 A
dimensions (L x W x H):	550 x 65 x 520 mm	550 x 65 x 520 mm

tempLED 300




	RayFlex 300 - 90	RayFlex 300 - 90
article number:	840604	840605
GTIN / EAN:	4260669195868	4260491846488
initial luminous flux:	40,500 lm	40,500 lm
initial system efficiency:	135 lm/w	135 lm/w
initial, most similar color temperature:	4,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	90 degrees	90 degrees
dimming / control:	on request	on request
system performance:	300 W	300 W
power consumption:	1.40 A	1.40 A
maximum inrush current:	110 A	110 A
dimensions (L x W x H):	550 x 65 x 520 mm	550 x 65 x 520 mm

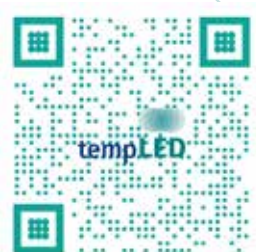
STOCK
ITEM

low-voltage types (42 to 48 VAC - 50/60 Hz)

tempLED 40

	RayFlex 40 - 110	RayFlex 40 - 110
article number:	849044	849045
GTIN / EAN:	4260669195820	4260491841179
initial luminous flux:	5,000 lm	5,000 lm
initial system efficiency:	125 lm/w	125 lm/w
initial, most similar color temperature:	4,000 K	5,000 K
light distribution:	symmetrical	symmetrical
beam angle:	110 degrees	110 degrees
dimming / control:	on request	on request
system performance:	40 W	40 W
power consumption:	1.00 A	1.00 A
maximum inrush current:	50 A	50 A
dimensions (L x W x H):	230 x 56 x 290 mm	230 x 56 x 290 mm

tempLED	Accessory catalogue RayFlex	art.-no.	GTIN / EAN
	mounting bracket stainless steel suitable only for tempLED RayFlex 30 / 40 / 50 adjustment range of the luminaire: -90 to +90 degrees, material: stainless steel V2A, finish: natural	933779	4260491849922
	safety plug suitable only for high-voltage types 3-pin safety plug with ingress protection IP 44, installed on the supply cable of the luminaire	945400	4260491842251
	supply cable extension suitable only for high-voltage types ready-to-use 3-pin supply cable extension up to 10 meters	333903	4260491843760



Direct link to the tempLED
download portal



LED is sustainable.
LED is the future.

tempLED luminaires fulfil a recycling rate of > 90%.
That is our product promise to you.

When will you start?