



Radium
Die Lichtmarke

New!

Radium LED Luminaires.

The powerful and reliable
solution for professionals.





High-quality lighting for every project.
LED luminaires from Radium.

Our professional luminaire families

- LED Panels for suspended ceilings in offices and workspaces
- LED Downlight for retail spaces, lobbies, hallways and corridors
- LED Surface for living spaces, hotels and office buildings
- LED Damp Proof for garages and industrial buildings
- LED Highbay for warehouses, industrial buildings, exhibition halls and sports halls
- LED Floodlights for parking lots, facades and outdoor areas

Key benefits

- Adjustable power
- Variable color temperature
- Adjustable beam angle
- Integrated sensor or Sensor interface
- Lighting control with DALI



Nomenclature for our LED luminaires: A fictional example

<u>HB</u>	<u>S</u>	<u>DALI</u>	<u>100</u>	<u>100W</u>	<u>/</u>	<u>840</u>	<u>PS</u>	<u>CCT</u>	<u>SR</u>	<u>THRW</u>	<u>BS</u>	<u>UGR</u>	<u>BK</u>	<u>IP65</u>	<u>SENSOR</u>
Product family: - LED Panel (PL) - LED Downlight (DL) - LED Surface (SF) - LED Damp Proof (DP) - LED Highbay (HB) - LED Floodlight (FL)	Segmentation: - „Star“ - „Essence“	DALI-compatible	Installation dimensions/ product size or luminous flux	Maximum output power in watts (W)		Light color: - 830 - 840 - 865	Power Select: Adjustable power	Correlated Color Temperature: Adjustable color temperature	Sensor Ready: Optional sensor available	Through Wired: for luminaires with integrated through- wiring	Beam Select: Adjustable beam angle	UGR <19	Color: - Black	Protection (IP): - IP40 - IP44 - IP54 - IP65 - IP66	Built-in sensor

LED Panel

LED Panel Star



Product features:

- Variable power and color temperature: Flexibly adjustable thanks to Power Select and CCT switch (3000K/4000K).
- Easy installation: Thanks to an easy-install driver with double spring clamps for fast through wiring.
- Homogeneous light distribution thanks to backlight.
- IP40 on the front side for effective dust protection.
- Excellent light: Homogeneous illumination and minimal glare thanks to UGR<19.*
- High efficiency: The panel itself achieves 160 lm/W and a system efficiency (driver included) of 150 lm/W.
- Simple control: Thanks to DALI capability, panels should be easily integrated into intelligent lighting control systems.
- EL certification for integration into emergency lighting systems.
- Housing: Aluminum frame with steel support plate.
- Powder-coated housing – also on the inside for optimum reflection.



LED Panel Star

PNLA5079	PL S 600 30W PS CCT IP40	30.0/27.5/25.0/22.5	4500/4100/3750/3400	IP40/IP20	595	595	33	70,000
PNLA5081	PL S 600 30W PS CCT UGR IP40*	30.0/27.5/25.0/22.5	4500/4100/3750/3400	IP40/IP20	595	595	34	70,000
PNLA5083	PL S DALI 600 30W PS CCT UGR IP40*	30.0/28.0/26.0/24.0	4500/4200/3900/3600	IP40/IP20	595	595	34	70,000
PNLA5080	PL S 625 30W PS CCT IP40	30.0/27.5/25.0/22.5	4500/4100/3750/3400	IP40/IP20	620	620	33	70,000
PNLA5082	PL S 625 30W PS CCT UGR IP40*	30.0/27.5/25.0/22.5	4500/4100/3750/3400	IP40/IP20	620	620	34	70,000
PNLA5084	PL S DALI 625 30W PS CCT UGR IP40*	30.0/28.0/26.0/24.0	4500/4200/3900/3600	IP40/IP20	620	620	34	70,000

Coming soon: Accessories for Radium LED Panels.

We are expanding our range to include mounting frames, offering you even more versatile application options.

LED Panel Essence



Product features:

- Various color temperatures: Available in 3000K or 4000K.
- External and easy-to-install driver.
- Homogeneous light distribution thanks to backlight.
- IP40 on the front side for effective dust protection.
- High system luminous efficacy of 120lm/W with up to 4000lm.
- Excellent light: Homogeneous illumination and minimal glare thanks to UGR<19.*
- EL certification for integration into emergency lighting systems.
- Housing material: Steel.
- Powder-coated housing – also on the inside for optimum reflection.



LED Panel Essence

PNLA5071	PL E 600 33W/830 IP40	33.0	3700	IP40/IP20	595	595	33	50,000
PNLA5075	PL E 600 33W/830 UGR IP40*	33.0	3700	IP40/IP20	595	595	34	50,000
PNLA5072	PL E 600 33W/840 IP40	33.0	4000	IP40/IP20	595	595	33	50,000
PNLA5076	PL E 600 33W/840 UGR IP40*	33.0	4000	IP40/IP20	595	595	34	50,000
PNLA5073	PL E 625 33W/830 IP40	33.0	3700	IP40/IP20	620	620	33	50,000
PNLA5077	PL E 625 33W/830 UGR IP40*	33.0	3700	IP40/IP20	620	620	34	50,000
PNLA5074	PL E 625 33W/840 IP40	33.0	4000	IP40/IP20	620	620	33	50,000
PNLA5078	PL E 625 33W/840 UGR IP40*	33.0	4000	IP40/IP20	620	620	34	50,000

LED Downlight

LED Downlight Star Multi



Product features:

- Variable power and color temperature: Flexibly adjustable thanks to Power Select and CCT switch (3000K/4000K/6500K*).
- Easy assembly: Thanks to the innovative state-of-the-art mounting system.
- Timeless design: Narrow frame and low profile, including magnetic black metal ring.
- Flexible ceiling installation: Fits ceiling holes of various sizes (50-180 mm or 50-260 mm) thanks to adjustable clamps and can alternatively be screwed onto solid ceilings.
- Housing material: Plastic.



Flexible hole size



Incl. black ring



LED Downlight Star Multi

at 4000K

d (mm)

h (mm)

d (mm)

h

DLMA5129	DL S M 50-180 18W PS CCT	18.0/13.5/9.0	2160/1620/1080	IP20	225	19	50-180	60,000
DLMA5130	DL S M 50-260 24W PS CCT	24.0/18.0/12.0	2880/2160/1440	IP20	330	19	50-260	60,000

*Colour temperatures are yet to be finalized.

LED Downlight Essence



Product features:

- Various color temperatures: Available in 3000K or 4000K.
- With IP54 protection on the room side, it can also be used in damp rooms.
- Variable ceiling cutout: Between 95-105 mm, 120-130 mm, 145-155 mm, or 195-205 mm.
- Housing material: Plastic.



LED Downlight Essence

d (mm)

h (mm)

d (mm)

h

DLEA5101	DL E 95-105 7.5W/830 IP54	7.5	760	IP54/IP40	116	25	95-105	30,000
DLEA5105	DL E 95-105 7.5W/840 IP54	7.5	825	IP54/IP40	116	25	95-105	30,000
DLEA5102	DL E 120-130 9W/830 IP54	9.0	920	IP54/IP40	144	26	120-130	30,000
DLEA5106	DL E 120-130 9W/840 IP54	9.0	990	IP54/IP40	144	26	120-130	30,000
DLEA5103	DL E 145-155 14.5W/830 IP54	14.5	1500	IP54/IP40	169	26	145-155	30,000
DLEA5107	DL E 145-155 14.5W/840 IP54	14.5	1600	IP54/IP40	169	26	145-155	30,000
DLEA5104	DL E 195-205 22W/830 IP54	22.0	2250	IP54/IP40	223	30	195-205	30,000
DLEA5108	DL E 195-205 22W/840 IP54	22.0	2420	IP54/IP40	223	30	195-205	30,000

LED Surface

LED Surface Star



Product features:

- Easy-to-install surface-mounted luminaire for walls and ceilings: With ample space and tool-free connection terminals.
- Excellent light quality: Natural color rendering thanks to CRI ≥ 90.
- Variable power and color temperature: Flexibly adjustable thanks to Power Select and CCT switch (3000K/4000K/6000K).
- Integrated sensor: A built-in sensor ensures efficient, demand-based lighting control.*
- Timeless and practical: Simple design with light emission from the side and decorative indirect lighting.**
- Housing material: Plastic.
- Particularly robust: Thanks to IK10 impact resistance rating.



W	lm	IP	d (mm)	h (mm)	L80
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LED Surface Star

SFSA5126	SF S 320 20W PS CCT IP54	20.0/15.0/10.0	2400/1800/1200	IP54	320	57
SFSA5127	SF S 320 20W PS CCT IP54 SENSOR*	20.0/15.0/10.0	2400/1800/1200	IP54	320	57
SFSA5128	SF S 450 36W PS CCT IP54**	36.0/32.0/28.0	4680/4160/3640	IP54	450	70

LED Surface Essence



Product features:

- Easy-to-install surface-mounted luminaire for walls and ceilings: With ample space and tool-free connection terminals.
- Variable color temperature: Flexibly adjustable thanks to the CCT switch (3000K/4000K).
- Excellent light distribution: Homogeneous illumination, whether on the wall or ceiling.
- Reliable and protected: Thanks to IP54, well protected against dust and water ingress.
- Demand-based lighting: Also available with sensor for maximum efficiency.*
- Housing: Metal support plate with cover made of UV-resistant PMMA.



W	lm	IP	d (mm)	h (mm)	L80
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LED Surface Essence

SFEA5097	SF E 250 12W CCT IP54	12.0	1025	IP54	250	80
SFEA5098	SF E 360 23.5W CCT IP54	23.5	2050	IP54	360	100
SFEA5099	SF E 360 24.5W CCT IP54 SENSOR*	24.5	2050	IP54	360	100
SFEA5100	SF E 480 40W CCT IP54	40.0	3800	IP54	480	140

LED Damp Proof

LED Damp Proof Star



Product features:

- Maximum energy savings: Daylight and motion-dependent control thanks to a separately available plug-in sensor.
- High system luminous efficacy of up to 150 lm/W.
- Variable power: Flexibly adjustable thanks to Power Select.
- Various color temperatures: Available in 4000K or 6500K.
- Easy installation: Thanks to integrated through-wiring and tool-free electrical connection.
- Durable and robust: 75,000 h lifespan as well as IK08 and IP66.
- Housing material: UV-resistant polycarbonate.



LED Damp Proof Star

l (mm) w (mm) h (mm) h

DAPA5109	DP S 1200/840 PS SR THRW IP66	34.0/28.0/22.0	5100/4200/3300	IP66	1258	71	67	75,000
DAPA5111	DP S 1200/865 PS SR THRW IP66	34.0/28.0/22.0	5100/4200/3300	IP66	1258	71	67	75,000
DAPA5110	DP S 1500/840 PS SR THRW IP66	50.0/44.0/38.0	7500/6600/5700	IP66	1558	71	67	75,000
DAPA5112	DP S 1500/865 PS SR THRW IP66	50.0/44.0/38.0	7500/6600/5700	IP66	1558	71	67	75,000

Coming soon: Accessories for Radium LED Damp Proof.

We are expanding our range with a cable suspension set and sensors for motion- or daylight-dependent control to offer you even more versatile application options.

LED Highbay

LED Highbay Star and Star DALI



Product features:

- 9-in-1 Highbay: With adjustable color temperature (CCT switch 4000K/5000K/6500K), adjustable power and adjustable beam angle.
- Beam Select function: Thanks to the dip switch, the beam angle is adjustable between 60°, 90° and 110°.
- High performance paired with high efficiency: Up to 32,000 lm at 160 lm/W.
- Easy to control: Can be effortlessly integrated into central control systems via DALI to maximize energy savings.
- Sensor ready: Attachable, separately available sensor for motion detection and daylight control.*
- Tool-free connection: Available with pre-installed IP65 cable connector.**
- DALI Highbays support Constant Lumen Output (CLO) for consistent luminous flux throughout their entire service life.
- Housing material: Aluminum.



W	lm	IP	d (mm)	h (mm)	L80
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LED Highbay Star DALI

HIBA5115	HB S DALI 100 PS CCT BS IP65*	100.0/80.0/60.0	16000/12800/9600	IP65	282	157	80,000
HIBA5116	HB S DALI 200 PS CCT BS IP65*	200.0/150.0/120.0	32000/24000/19200	IP65	322	157	80,000

W	lm	IP	d (mm)	h (mm)	L80
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LED Highbay Star

HIBA5113	HB S 100 PS CCT SR BS IP65**	100.0/80.0/60.0	16000/12800/9600	IP65	282	157	80,000
HIBA5114	HB S 200 PS CCT SR BS IP65**	200.0/150.0/120.0	32000/24000/19200	IP65	322	157	80,000

Coming soon: Accessories for Radium LED Highbays.

We are expanding our range to include remote controls and sensors for motion- or daylight-dependent control for LED Star Highbays, as well as mounting brackets and reflectors for Star and Star DALI variants, to offer you even more versatile application options.

LED Floodlight

LED Floodlight Star



Product features:

- Various color temperatures: Available in 3000K or 4000K.
- Thanks to the pressure-equalization valve: Reliable tightness and waterproofness are ensured even under strong temperature-fluctuations.
- Special version: Aluminum housing with structured glass and 1 m connection cable.
- Also available with a sensor for maximum efficiency.*
- Performance paired with high efficiency: Up to 10000 lm at 135 lm/W.
- Housing material: Aluminum and glass.
- Easy installation thanks to specially angled bracket.



LED Floodlight Star

l (mm) w (mm) h (mm) h

FLLA5091	FL S 1000/830 BK IP65	7.4	930	IP65	108	23	100	50,000
FLLA5085	FL S 1000/840 BK IP65	7.4	1000	IP65	108	23	100	50,000
FLLA5092	FL S 3000/830 BK IP65	22.2	2800	IP65	156	28	203	50,000
FLLA5093	FL S 3000/830 BK IP65 SENSOR*	22.8	2800	IP65	156	59	203	50,000
FLLA5086	FL S 3000/840 BK IP65	22.2	3000	IP65	156	28	203	50,000
FLLA5087	FL S 3000/840 BK IP65 SENSOR*	22.8	3000	IP65	156	59	203	50,000
FLLA5094	FL S 5000/830 BK IP65	37.0	4650	IP65	193	30	239	50,000
FLLA5095	FL S 5000/830 BK IP65 SENSOR*	37.6	4650	IP65	193	61	239	50,000
FLLA5088	FL S 5000/840 BK IP65	37.0	5000	IP65	193	30	239	50,000
FLLA5089	FL S 5000/840 BK IP65 SENSOR*	37.6	5000	IP65	193	61	239	50,000
FLLA5096	FL S 10000/830 BK IP65	74.1	9300	IP65	251	34	232	50,000
FLLA5090	FL S 10000/840 BK IP65	74.1	10000	IP65	251	34	232	50,000

What's behind all this?

Explanation of pictograms.



Guarantee

Radium LED products are known for high-quality engineering, professional thermal management, the use of high-quality components and the application of systematic quality assurance measures. Radium provides guarantees of up to 5 years on LED products which are operated in accordance with the product and application guidelines specified by Radium, e.g. data sheets, application notes or compatibility lists. www.radium.de/guarantee



Star

Optimum function for professional use.
All Star models offer a longer service life and very good efficiency.



Essence

All Essence models offer pure functionality at the best price

What's behind all this?

Explanation of pictograms.



Power consumption (watts)



Real luminous flux (lumens)



Ingress protection rating (IP) – If two values are specified, the first describes the protection class on the room side and the second describes the protection class on the ceiling side.



Dimensions Length/Width/Height (mm)



Service life L80B10



Beam Select (BS)



Sensor / Sensor Ready (SR)



Power Select (PS)



CCT Switch (CCT)



UGR <19



Radium
LED Luminaires

Radium Lampenwerk GmbH

Dr.-Eugen-Kersting-Str. 6
51688 Wipperfürth
Germany

Telephone +49 (0) 2267 811

Fax +49 (0) 2267 81353

radium@radium.de

www.radium.de