Industrial Lighting Solutions

Efficient, Smart, Reliable

DELTA

Delta Profile

Delta, founded in 1971, is a global provider of power and thermal management solutions. Its mission statement,"To provide innovative, clean and energy-efficient solutions for a better tomorrow", focuses on addressing key environmental issues such as global climate change. As an energy-saving solutions provider with core competencies in power electronics and automation, Delta's business categories include Power Electronics, Automation, and Infrastructure.

Delta offers some of the most energy efficient power products in the industry, including switching power supplies with efficiency over 90%, telecom power with up to 98%, and PV inverters with up to 99.2% efficiency. We have also developed the world's first server power supply certified as 80 Plus Titanium.

Headquartered in Taiwan, we regularly invest over 8% of our annual sales revenues in R&D and have worldwide R&D facilities in China, Europe, Japan, Singapore, Thailand, and the U.S.

Delta is a frequent recipient of international awards and related recognition for innovation, design, and continuous dedication to ESG. Since 2011, Delta has been listed on the DJSI World Index of Dow Jones Sustainability™ Indices for 11 consecutive years. In 2020, Delta was also recognized by CDP with two "A" leadership level ratings for its substantial contribution to climate change and water security issues and named Supplier Engagement Leader for its continuous development of a sustainable value chain.

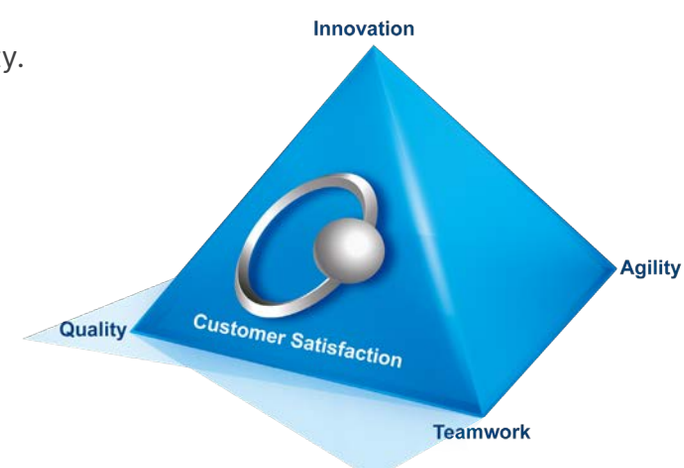
In response to the challenge of climate change, Delta will remain committed to the research and development of innovative, energy-saving products, solutions and services that contributing substantially to the sustainable developments.

Worldwide Revenues

Delta's consolidated worldwide sales revenue in 2021 was US$ 11.275 billion.

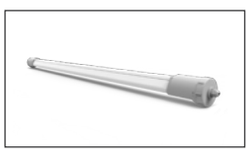
Corporate Culture

Strive for change, and pursue sustainability.

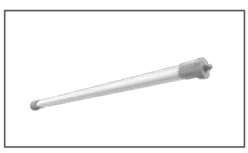


Product Overview

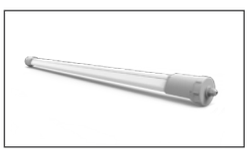
Linear



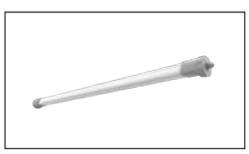
Ambis Radiant
page 4



Ambis Parking
page 6



Ambis DALI
page 8



Ambis Industrial
page 10

Ambis Sensor
page 12

Vega
page 14

High-bay

Legatto Compact
page 16

Legatto
page 18

Legatto Radiant
page 20

Staccato
page 22

Staccato 75°C
page 24

Staccato 90°C
page 26

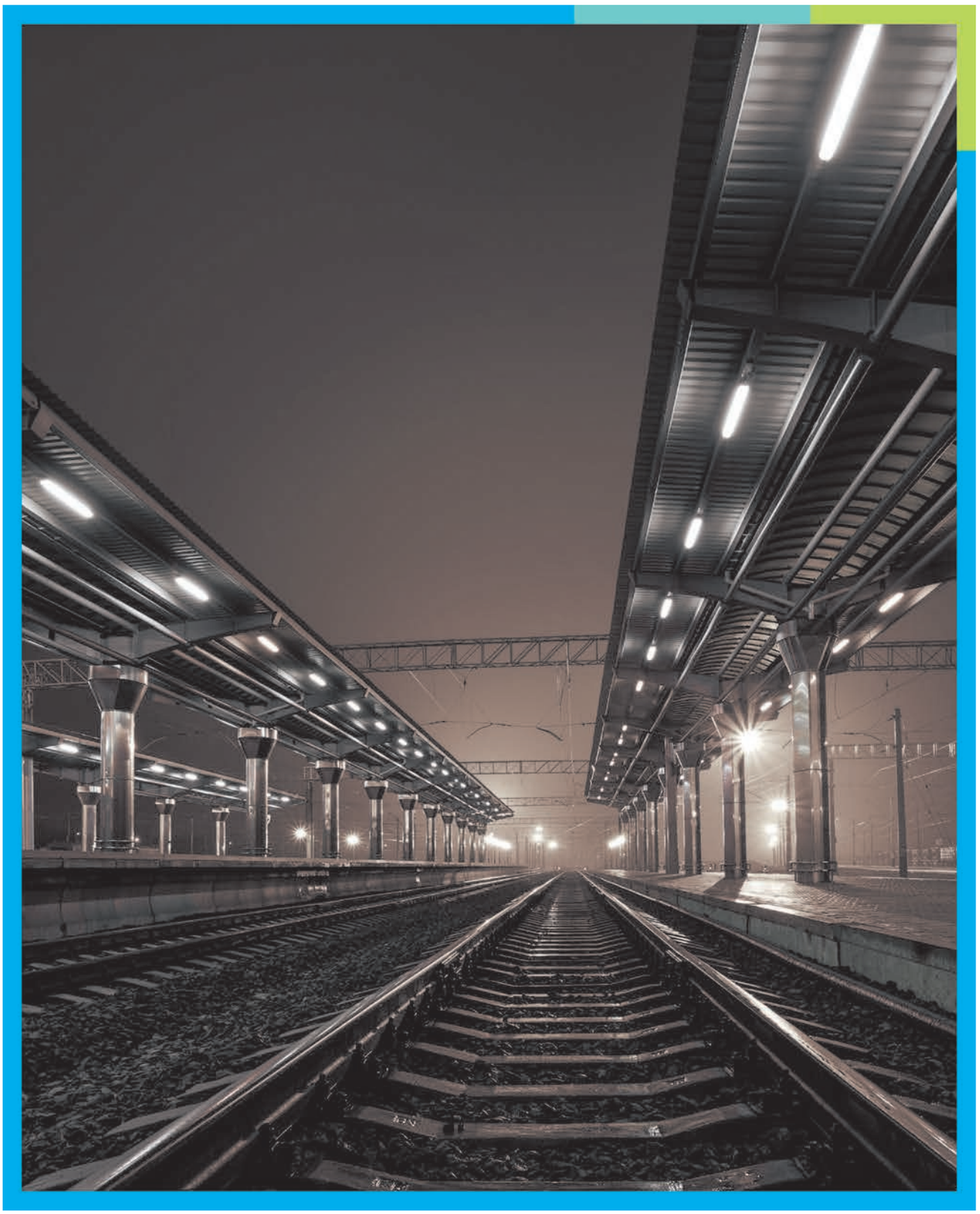
Staccato Crane
page 28

Product Features

- ✔ Up to 80% energy savings
- ✔ High quality light with excellent efficiency
- ✔ Low maintenance costs thanks to very long life time of up to 100 000h
- ✔ Reliable operation in harsh environments and high ambient temperatures
- ✔ 5 (+5) Years Warranty from Delta Electronics (project specific)

Ambis Radiant

High efficiency with elegant design

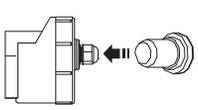


Technical Specifications

	PG425ILG3N	PG538ILG3N	PG548ILG3N	PG558ILG3N	PG570ILG3N
Lumen Output (lm)	4 000	6 080	7 680	9 280	11 200
Power (W)	25	38	48	58	70
Efficacy (lm/W)	160	160	160	160	160
CRI	>80				
CCT	4000K (3000K/5000K/5700K Available)				
Operating Temperature	- 30 to +50°C				
Lifetime	L80B10>100 000h, L90B10> 50 000h at Ta=25°C				
Input Voltage	220-240V				
Beam Angle	H: 110° V: 150°				
UGR	H<22 V<25				
Ingress Protection	IP66				
Impact Resistance	IK10				
Power Factor	>0.9				
Electrical Safety Class	Class II				
Compliance	IEC 61000-3-2 Class C Harmonic (1-40)/ THD (Total Harmonic Distortion<20%)/ CE/ RoHs				
Color Tolerance (MacAdam)	4 SDCM				
Weight (kg)	1	1.4	1.4	1.6	1.6
Product Lenght (mm)	1 200	1 600	1 600	1 600	1 600
Max luminaires in one loop	53	35	28	23	20

*The given lumen output and efficacy values are given for CCT 4000K

Accessories



Sealing plug 1 pc per luminaire
(for sealing the cable at the end luminaire in installation circuit)

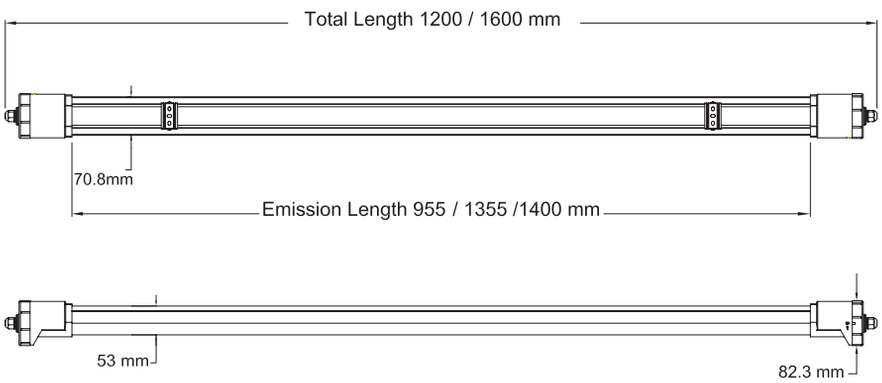
MA-030STD

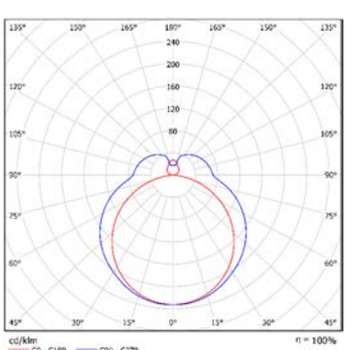
Mounting clips
2 pcs per luminaire

MA-030NTV

Optional: anti-vandalism SS316L mointing Clips (set of 2 pcs)

Dimensions & Photometry





Horizontal:110° Vertical:150°

Ambis Parking

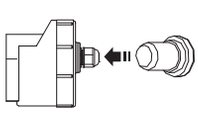
Unique photometry with special optics

Technical Specifications

	PG438IL03N	PG538IL03N
Lumen Output (lm)	6 080	6 080
Power (W)	38	38
Efficacy (lm/W)	160	160
CRI	>80	
CCT	4000K (5000K/5700K Available)	
Operating Temperature	- 30 to +50°C	
Lifetime	L80B10>100 000h, L90B10> 50 000h at Ta=25°C	
Input Voltage	240-220V	
Beam Angle	H: 110° V: 280°	
UGR	H<22 V<27	
Ingress Protection	IP66	
Impact Resistance	IK10	
Power Factor	>0.90	
Electrical Safety Class	Class II	
Compliance	IEC 61000-3-2 Class C Harmonic (1-40)/ THD (Total Harmonic Distortion<20%)/ CE/ RoHs	
Color Tolerance (MacAdam)	4 SDCM	
Weight (kg)	1	1.4
Product Lenght (mm)	1 200	1 600
Max luminaires in one loop	24	35

*The given lumen output and efficacy values are given for CCT 4000K

Accessories



Sealing plug 1 pc per luminaire
(for sealing the cable at the end luminaire in installation circuit)

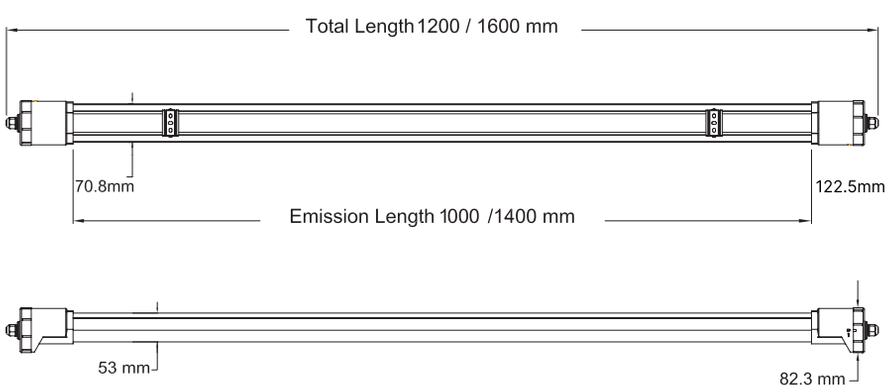
MA-030STD

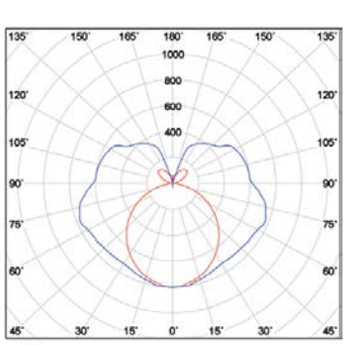
Mounting clips
2 pcs per luminaire

MA-030NTV

Optional: anti-vandalism SS316L mointing Clips (set of 2 pcs)

Dimensions & Photometry





Horizontal:110° Vertical:280°

Ambis DALI

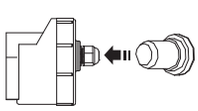
Higher energy saving with efficient control

Technical Specifications

	PG530IEH3D	PG540IEH3D	PG550IEH3D
Lumen Output (lm)	4 800	6 400	8 000
Power (W)	30	40	50
Efficacy (lm/W)	160	160	160
CRI	>80		
CCT	4000K (5000K/5700K Available)		
Operating Temperature	-20 to + 40°C		
Lifetime	L80B10>100 000h, L90B10> 50 000h at Ta=25°C		
Input Voltage	220-240V		
Beam Angle	H: 110° V:127°		
UGR	H<22 V<25		
Ingress Protection	IP66		
Impact Resistance	IK10		
Power Factor	>0.90		
Electrical Safety Class	Class II		
Compliance	IEC 61000-3-2 Class C Harmonic (1-40)/ THD (Total Harmonic Distortion<20%)/ CE/ RoHs		
Color Tolerance (MacAdam)	4 SDCM		
Weight (kg)	1.7		
Product Lenght (mm)	1 600		
Max luminaires in one loop	22	18	15

*The given lumen output and efficacy values are given for CCT 4000K

Accessories



Sealing plug 1 pc per luminaire
(for sealing the cable at the end luminaire in installation circuit)

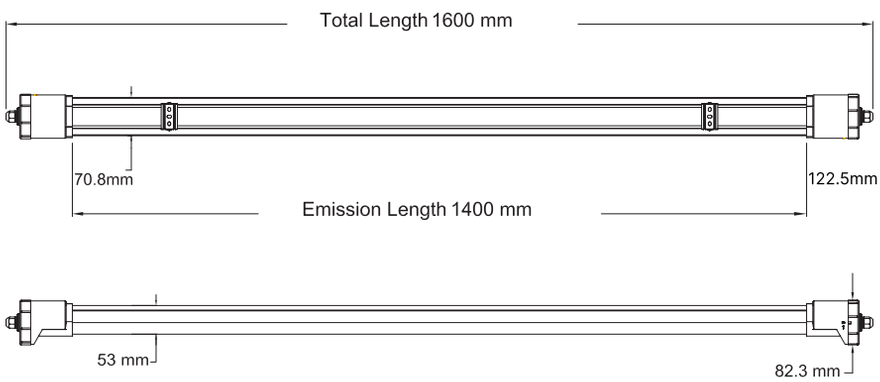
MA-030STD

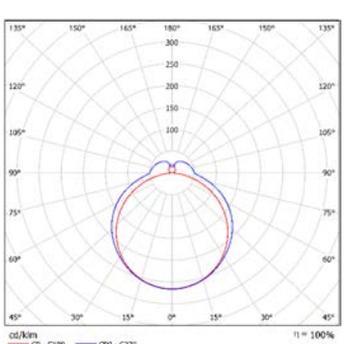
Mounting clips
2 pcs per luminaire

MA-030NTV

Optional: anti-vandalism SS316L mointing Clips (set of 2 pcs)

Dimensions & Photometry





Horizontal:110° Vertical:127°

Ambis Industrial

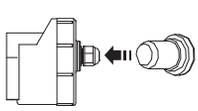
Ultimate reliability with low maintenance

Technical Specifications

	PG425IEG3N	PG538IEG3N	PG548IEG3N	PG558IEG3N
Lumen Output (lm)	4 000	6 080	7 680	9 280
Power (W)	25	38	48	58
Efficacy (lm/W)	160	160	160	160
CRI	>80			
CCT	4000K (3000K/5000K/5700K Available)			
Operating Temperature	- 30 to +50°C			
Lifetime	L80B10>100 000h, L90B10> 50 000h at Ta=25°C			
Input Voltage	220-240V			
Beam Angle	H: 110° V: 150°			
UGR	H<22 V<25			
Ingress Protection	IP66			
Impact Resistance	IK10			
Power Factor	>0.9			
Electrical Safety Class	Class II			
Compliance	IEC 61000-3-2 Class C Harmonic (1-40)/ THD (Total Harmonic Distortion<20%)/ CE/ RoHs			
Color Tolerance (MacAdam)	4 SDCM			
Weight (kg)	1	1.4	1.4	1.6
Product Lenght (mm)	1 200	1 600	1 600	1 600
Max luminaires in one loop	53	35	28	23

*The given lumen output and efficacy values are given for CCT 4000K

Accessories



Sealing plug 1 pc per luminaire
(for sealing the cable at the end luminaire in installation circuit)

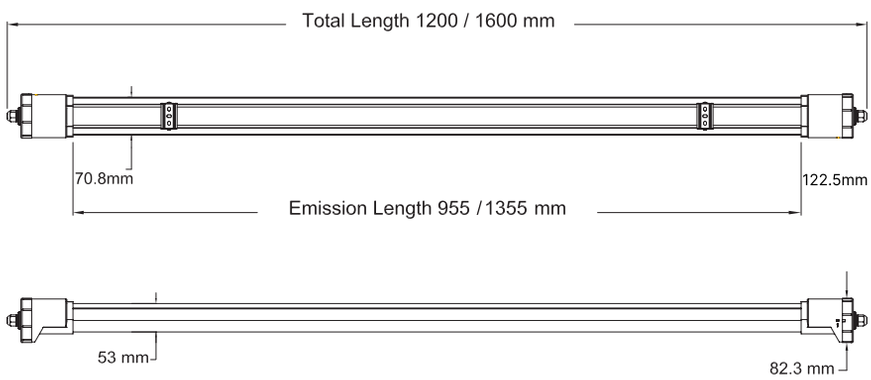
MA-030STD

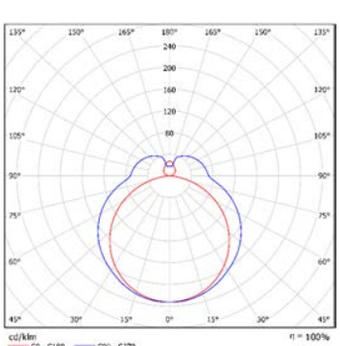
Mounting clips
2 pcs per luminaire

MA-030NTV

Optional: anti-vandalism SS316L mointing Clips (set of 2 pcs)

Dimensions & Photometry





Horizontal:110° Vertical:150°

Ambis Sensor

Integrated sensors for more energy savings

Technical Specifications

	PG445IE1L-M77V	PG545ILH1N-M60S
Lumen Output (lm)	5 600	6 000
Power (W)	45	45
Efficacy (lm/W)	124	133
CRI	>80	
CCT	4000K (5000K/5700K Available)	
Operating Temperature	- 20 to +40°C	
Lifetime	L80B10>100 000h, L90B10> 50 000h at Ta=25°C	
Input Voltage	220-240V	
Beam Angle	H: 110° V: 127°	
UGR	H<25 V<25	
Ingress Protection	IP66	
Impact Resistance	IK10	
Power Factor	>0.9	
Electrical Safety Class	Class II	
Compliance	IEC 61000-3-2 Class C Harmonic (1-40)/ THD (Total Harmonic Distortion<20%)/ CE/ RoHs	
Color Tolerance (MacAdam)	4 SDCM	
Weight (kg)	1.8	1.5
Product Lenght (mm)	1 200	1 600
Max luminaires in one loop	n.a	n.a

*The given lumen output and efficacy values are given for CCT 4000K

Accessories

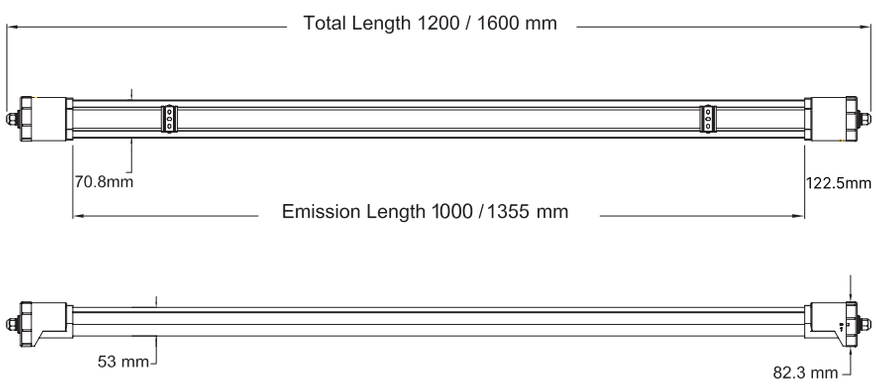
MA-030STD

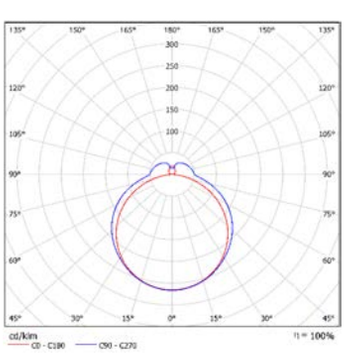
Mounting clips
2 pcs per luminaire

MA-030NTV

Optional: anti-vandalism SS316L
mointing Clips (set of 2 pcs)

Dimensions & Photometry





Horizontal:110° Vertical:127°

Vega

Light-weight and efficient

Technical Specifications

	BA-EL540ILG1N	BA-EL540NLG1N	BA-EL426ILG1N	BA-EL426NLG1N
Lumen Output (lm)	6 000		4 000	
Power (W)	40		26	
Efficacy (lm/W)	150		154	
CRI	>80			
CCT	4000K	5000K	4000K	5000K
Operating Temperature	- 30 to +40 C°			
Lifetime	L80B10> 50 000h at Ta=25°C			
Input Voltage	240-220V			
Beam Angle	H: 110° V: 150°			
UGR	H<25 V<29			
Ingress Protection	IP65			
Impact Resistance	IK08			
Power Factor	>0.9			
Electrical Safety Class	Class II			
Compliance	CE/ RoHs / ENEC			
Color Tolerance (MacAdam)	4 SDCM			
Weight (kg)	0.615		0.525	
Product Lenght (mm)	1 500	1 500	1 200	1 200
Max luminaires in one loop	n.a	n.a	n.a	n.a

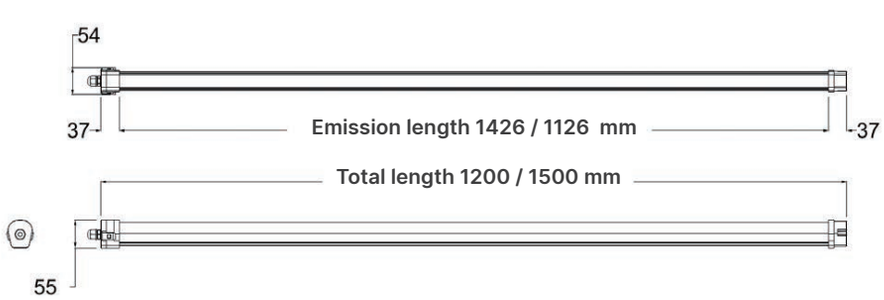
*The given lumen output and efficacy values are given for CCT 4000K

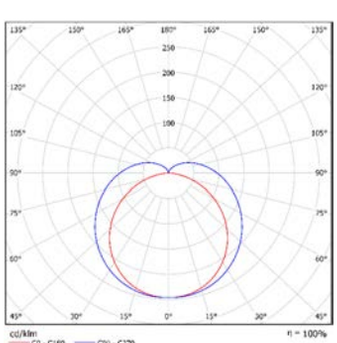
Accessories

MA-06V010STD

Mounting clips
2 pcs per luminaire

Dimensions & Photometry





Horizontal:110° Vertical:150°

Legatto Compact

Compact design, integrated lighting control

Technical Specifications

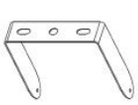
	SCDB84H00E	SCDB84600E	SCDBD4H00E	SCDBD4600E	SCDBI4H00E	SCDBI4600E
Lumen Output (lm)	12 400	11 400	18 300	16 900	21 900	20 200
Power (W)	85	85	130	130	160	160
Efficacy (lm/W)	146	134	141	130	137	126
CRI	>80					
CCT	4000					
Operating Temperature	- 40 to +55°C					
Lifetime	L80B10>100 000h at Ta=25 °C; 50 000h at Ta=Max					
Input Voltage	220-240V					
Beam Angle	100°	60°	100°	60°	100°	60°
UGR	<25	<19	<25	<22	<25	<22
Ingress Protection	IP65					
Impact Resistance	IK10					
Power Factor	>0.9					
Electrical Safety Class	Class I					
Total Harmonic Distortion (THD)	<20%					
Color Tolerance (MacAdam)	3 SDCM					
Weight (kg)	3.5					
Product Dimension (DxH) (mm)	347 × 216					
Control Interface	DALI /0-10 V					

*The given lumen output and efficacy values are given for CCT 4000K

*Thermal foldback feature reduces lumen output for temperatures above Ta=Max

Accessories

U-Bracket
MA-01021A

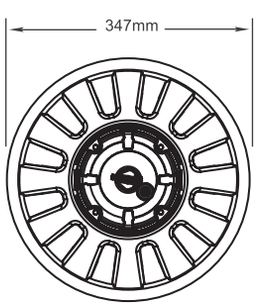


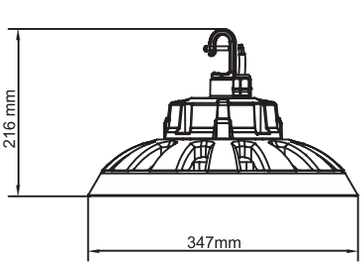
Occupancy sensor
MA-01012A

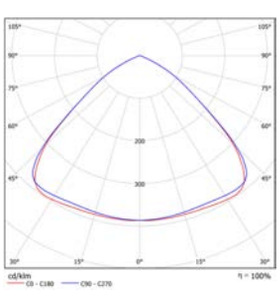
DC controller
MA-01014A

Diffuser
MA-01018A

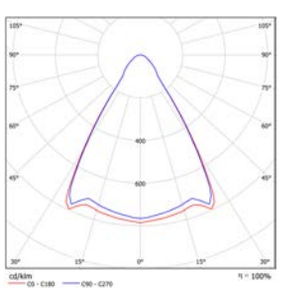
Dimensions & Photometry







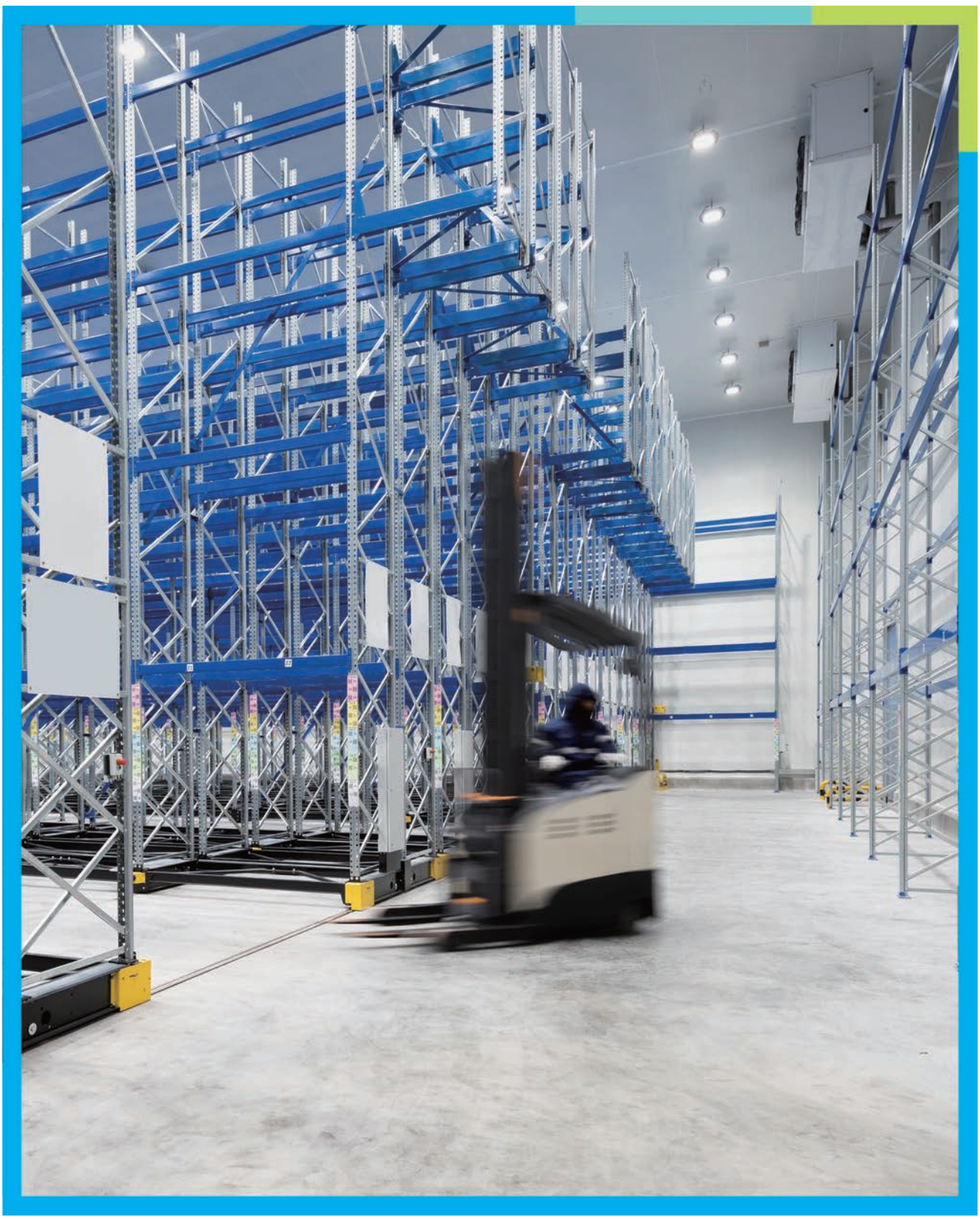
100°



60°

Legatto

Efficient solution for an ideal ROI



Technical Specifications

	SBDBH4H00E	SBDBH4600E	SBDBN4H00E	SBDBN4600E	SBDBO4H00E	SBDBO4600E	SBDBE4A40E	SBDBG4A40E	SBDBJ4A40E
Lumen Output (lm)	25 300	23 300	29 900	27 500	35 800	32 900	18 900	22 900	25 800
Power (W)	170	170	210	210	260	260	135	165	195
Efficacy (lm/W)	149	137	142	131	138	127	140	139	132
CRI	>80								
CCT	4000K								
Operating Temperature	-40 to +60°C								
Lifetime	L80/B10>100 000h at Ta=25 °C ;> 50 000h at Ta=Max								
Input Voltage	220-240V								
Beam Angle	100°	60°	100°	60°	100°	60°	40°x 90°		
UGR	<25	<22	<25	<22	<25	<22	<22	<23	<23
Ingress Protection	IP65								
Impact Resistance	IK10								
Power Factor	>0.9								
Electrical Safety Class	Class I								
Total Harmonic Distortion (THD)	<20%								
Color Tolerance (MacAdam)	3 SDCM								
Weight (kg)	4.5								
Product Dimension (DxH) (mm)	414 x 227								
Control Interface	DALI / 0-10V								

*The given lumen output and efficacy values are given for CCT 4000K

*Thermal foldback feature reduces lumen output for temperatures above Ta Max

Accessories

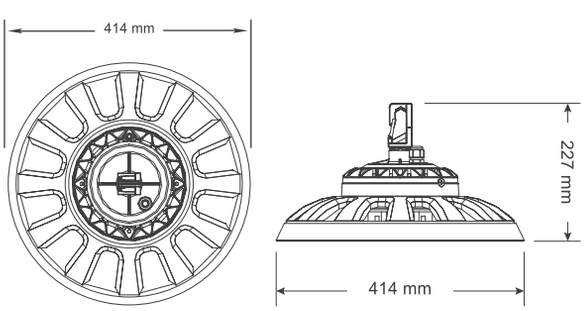
U-Bracket
MA-01022A

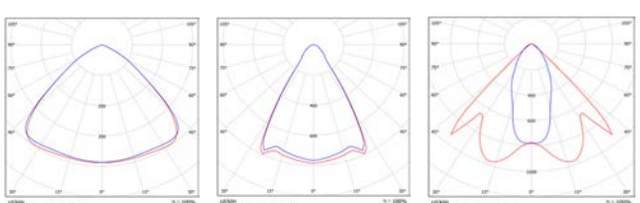
Occupancy sensor
MA-01012A

DC controller
MA-01014A

Diffuser
MA-01019A

Dimensions & Photometry

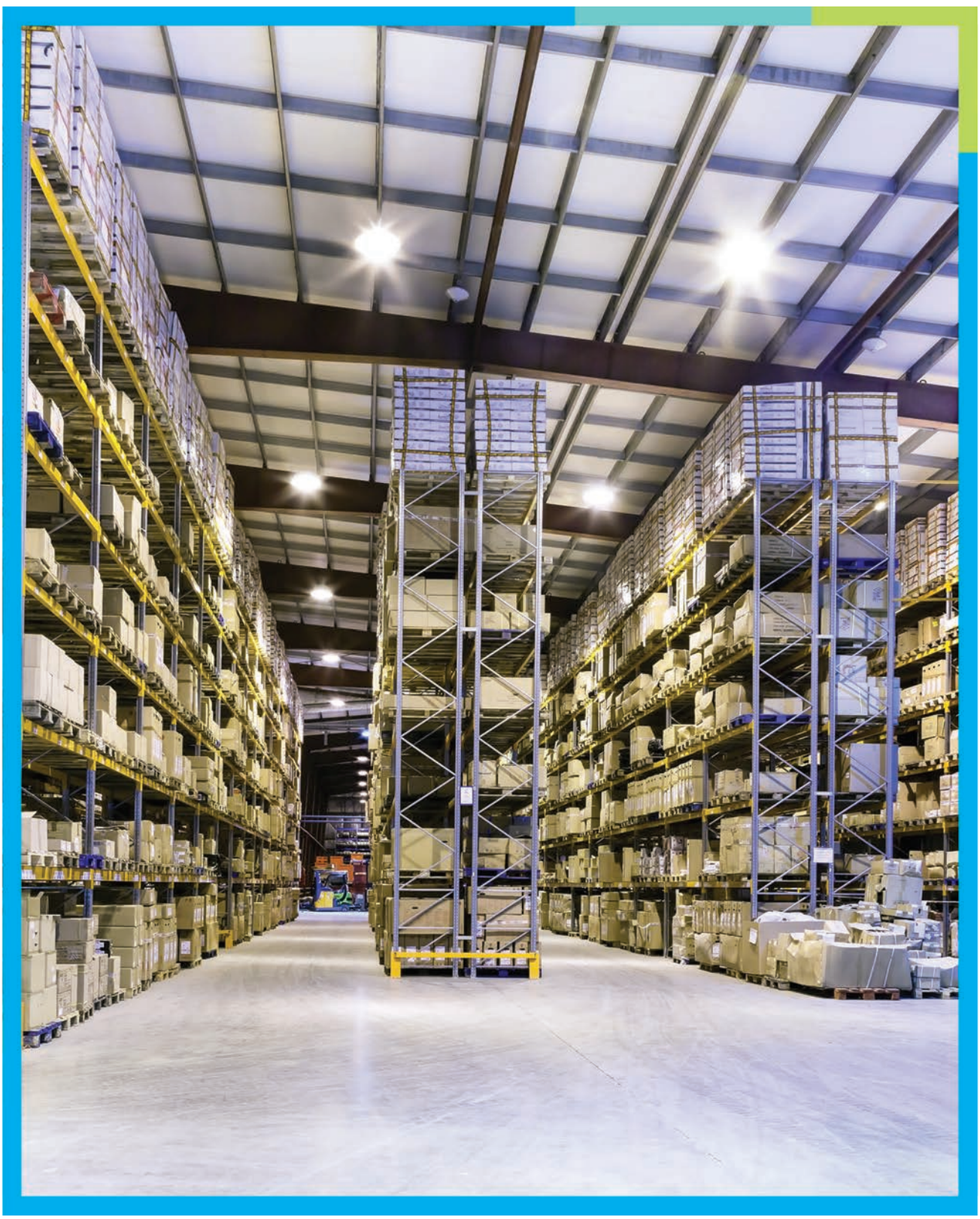




100° 60° 40° x 90°

Legatto Radiant

Excellent efficiency for highest energy savings



Technical Specifications

	SBDBC4H00E-2	SBDBE4H00E-2	SBDBI4H00E-2	SBDBM4H00E-2	SBDBN4H00E-2
Lumen Output (lm)	20 400	23 800	27 200	30 000	33 000
Power (W)	120	140	160	180	200
Efficacy (lm/W)	170	170	170	167	165
CRI	>80				
CCT	4000K (Other CCT Available: 5000K)				
Operating Temperature	-40 to +60 °C				
Lifetime	L70B10>100 000h, L80B10>70 000h at Ta=25 °C; L80B10>50 000 at Ta=Max				
Input Voltage	220-240V				
Beam Angle	100° (60° Optional)				
UGR	<25	<25	<25	<25	<25
Ingress Protection	IP65				
Impact Resistance	IK10				
Power Factor	>0.95				
Electrical Safety Class	Class I				
Total Harmonic Distortion (THD)	<15%				
Color Tolerance (MacAdam)	3 SDCM				
Weight (kg)	3.5				
Product Dimension (DxH) (mm)	414 x 125				
Control Interface	0-10V				

*The given lumen output and efficacy values are given for CCT 4000K

*Thermal foldback feature reduces lumen output for temperatures above Ta Max

Accessories

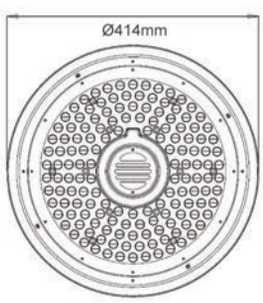
U-Bracket
MA-01433A

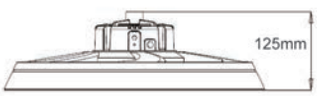
Occupancy sensor
MA-01012A

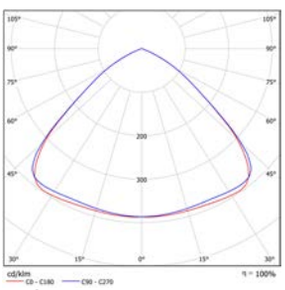
DC controller
MA-01014A

Diffuser
MA-01018A

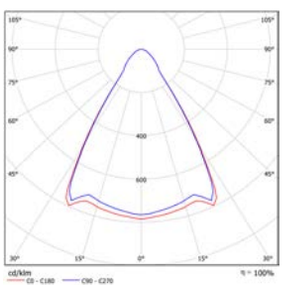
Dimensions & Photometry







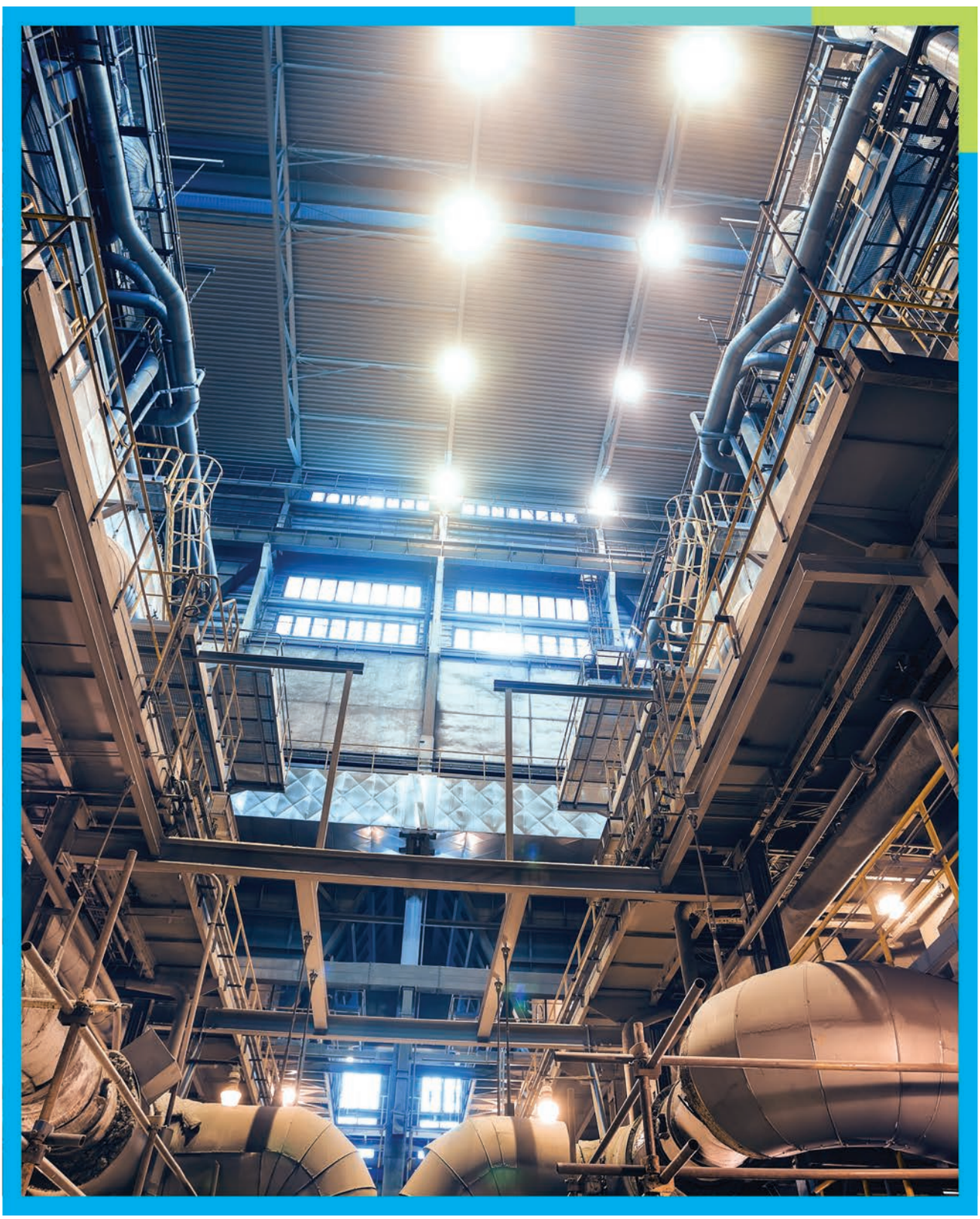
100°



60°

Staccato

Durable for long lasting performance



Technical Specifications

	HBEBC4xx1E	HBEBF4xx1E	HBEBK4xx1E	HBEBR4xx1E	HBEBW4xx0E
Lumen Output (lm)	13 700	24 700	30 800	40 700	48 000
Power (W)	125	150	200	260	310
Efficacy (lm/W)	150	165	154	157	155
CRI	>80				
CCT	4000K (Other CCT Available: 5000K)				
Operating Temperature	-40 to +65 °C				-40 to +50 °C
Lifetime	L80B10>100 000h at Ta=25 °C;> 50 000h at Ta=Max				
Input Voltage	220-240V				
Beam Angle	100°/ 60°/ 65°x 100°				100° / 60°
UGR	<25	<25	<25	<27	<28
Ingress Protection	IP66				
Impact Resistance	IK10				
Power Factor	>0.95				
Electrical Safety Class	Class I				
Total Harmonic Distortion (THD)	<20%				
Color Tolerance (MacAdam)	3 SDCM				
Weight (kg)	9				
Product Dimension (DxH) (mm)	442 x 181				
Control Interface	DALI / 0-10V				

*The given lumen output and efficacy values are given for CCT 4000K (100° beam angle)

*Thermal foldback feature reduces lumen output for temperatures above Ta Max

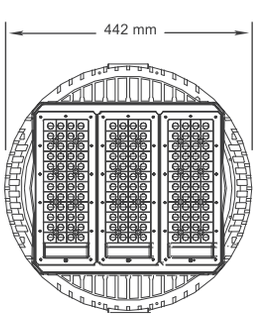
Accessories

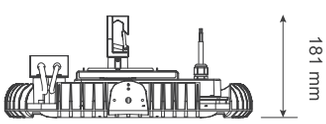
U-Bracket
MA- 01002A

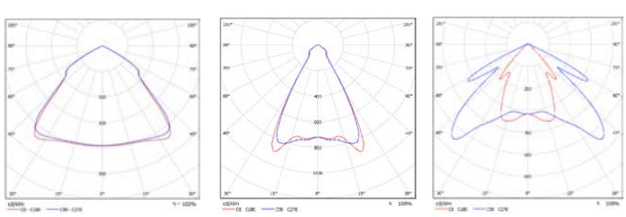
Occupancy Glass
MA-01005A

DC controller
MA-01014A

Dimensions & Photometry







100° 60° 65°x100°

Staccato 75°C

Robust protection and high efficiency

Technical Specifications

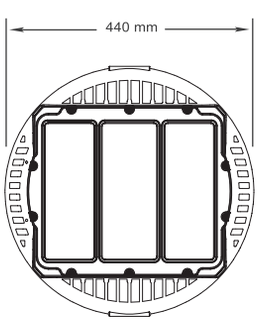
	HBEBD4G11E	HBEBF4G11E	HBEBK4G11E
Lumen Output (lm)	17 600	21 200	26 900
Power (W)	130	150	200
Efficacy (lm/W)	135	141	135
CRI	>80		
CCT	4000K (Also available in 5000K)		
Operating Temperature	- 40 to +75°C		
Lifetime	L80B10> 60 000h at Ta=55°C ;>60 000h at Ta=Max		
Input Voltage	220-240V		
Beam Angle	110° / Tempered-Glass		
UGR	<25	<28	<28
Ingress Protection	IP65		
Impact Resistance	IK07		
Power Factor	>0.9		
Electrical Safety Class	Class I		
Total Harmonic Distortion (THD)	<20%		
Color Tolerance (MacAdam)	3 SDCM		
Weight (kg)	10		
Product Dimension (DxH) (mm)	440 x 181		
Control Interface	DALI / 0-10V		

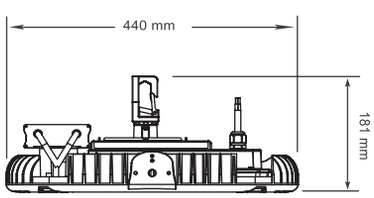
*The given lumen output and efficacy values are given for CCT 4000K

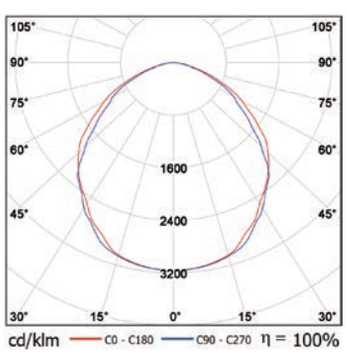
Accessories

U-Bracket
MA01002-A

Dimensions & Photometry



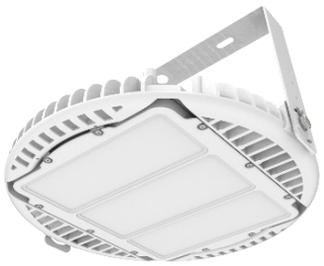




110°

Staccato 90°C

Robust design to withstand harsh conditions



Technical Specifications

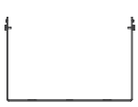
	HBEBC4G1NE-T	HBEBF4G1NE-T	HBEBK4G1NE-T	HBEBR4G1NE-T
Lumen Output (lm)	20 000	23 000	29 000	36 000
Power (W)	125	150	200	260
Efficacy (lm/W)	160	153	145	138
CRI	>70			
CCT	4000K (Also available in 5000K with same lumen output)			
Operating Temperature	-20 to +90°C			
Lifetime	L80B10>100 000 at Ta=55°C ;> 60 000h at Ta=Max			
Input Voltage	240-220V			
Beam Angle	115° x 105°			
UGR	<28	<28	<28	<28
Ingress Protection	IP65			
Impact Resistance	IK07			
Power Factor	≥0.9			
Electrical Safety Class	IP66			
Total Harmonic Distortion (THD)	<20%			
Color Tolerance (MacAdam)	3 SDCM			
Weight (kg)	10			
Product Dimension (DxH)	440 x 181			
Control Interface	DALI /0-10V			

*Double over temperature protection (OTP) design for luminaire and driver; Irreversible thermal label for warranty

*Remote driver installation

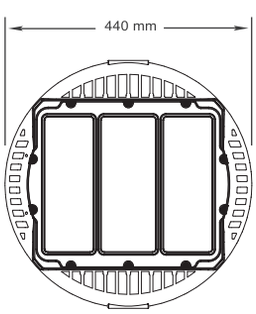
Accessories

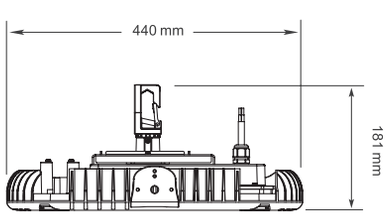
U-Bracket
MA-01002A

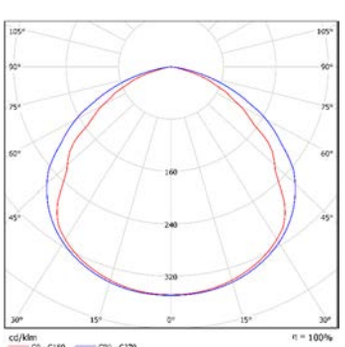


Crossbar
MA-01009A

Dimensions & Photometry



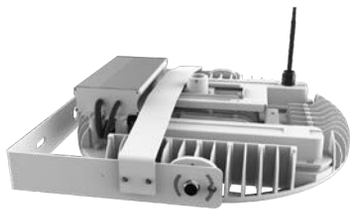




115°x105°

Staccato Crane

Anti-vibration with built-in junction box



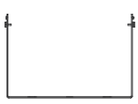
Technical Specifications

	HBKBE460DE	HBKBE425DE
Lumen Output (lm)	18 900	19 000
Power (W)	135	150
Efficiency (lm/W)	140	127
CRI	>80	
CCT	4000K (Also available in 5000K)	
Operating Temperature	- 40 to +55 °C	
Lifetime	L80/B10 >100 000 at Ta=25°; >70 000h at Ta=max	L80/B10 >80 000 at Ta=25°; >45 000h at Ta=max
Input Voltage	220 - 420V	
Beam Angle	60°	25°
UGR	<25	<19
Ingress Protection	IP66	
Impact Resistance	IK10	
Power Factor	>0.9	
Electrical Safety Class	Class I	
Total Harmonic Distortion (THD)	<20%	
Color Tolerance (MacAdam)	3 SDCM	
Weight (kg)	9	
Product Dimension (DxH)	442 x 181	
Control Interface	DALI / 10-0V	

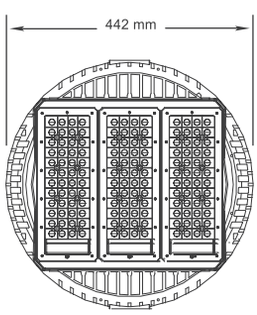
*The given lumen output and efficacy values are given for CCT 4000K

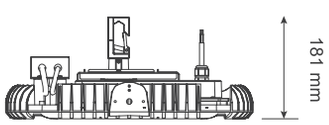
Accessories

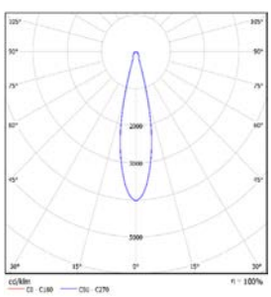
U-Bracket
MA-01002A



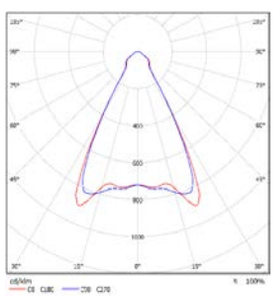
Dimensions & Photometry







25°



60°

Global Operations

Delta Group has 158 sales offices, 48 plant sites, and 72 R&D centers,with over 9,000 R&D engineers throughout the world.

- Main Sales Offices
- Main Plant Sites
- Main R&D Centers

	Asia-Pacific	Americas	EMEA	Total
Global Sales Offices	100	25	33	158
Global Plant Sites	40	4	4	48
Global R&D Centers	48	49	15	72

Delta Electronics (Netherlands) B.V.

Zandsteen 15, 2132 MZ Hoofddorp, The Netherlands
TEL: +31-20-655-0900
FAX: +31-20-655-0999
For more product information and sales inquiries, please contact: sleu@deltaww.com
www.delta-emea.com/ledlighting

Delta_LED Industrial Lighting_EN_092022