



Casey BZ

DAMP-PROOF | NON-DALI SERIES

Casey Below Zero is a surface-mounted or suspended, waterproof lighting fixture suitable for industrial applications. It has a wide beam angle of 110 degrees. Suitable for use in damp or dusty conditions thanks to the extra protection factor.

Low-maintenance luminaire that is easy to clean and offers few surfaces on which dirt can settle. High energy-saving potential, even for extensively used lighting needs in spaces such as logistic and industrial, warehouses. Housing made of curved-lines polycarbonate and equipped with high quality polyurethane gasket for high durability. With an IP66 protection factor.

Casey damp-proof luminaires come in several series, with various add-on and controls:

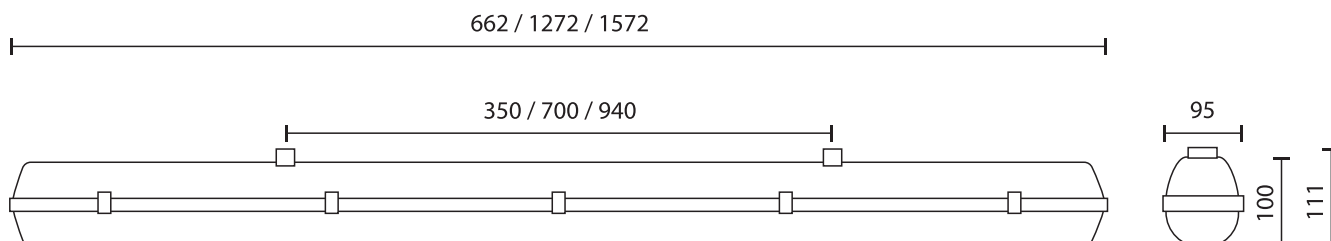
- Casey BZ Non-DALI – the standard for any project in the retail sectors, works down to -25 degrees Celsius

FEATURES & BENEFITS

- CRI 80 as standard
- 4 color temperatures: 3000K, 4000K, 5000K and 6500K
- Long rated life – L90/B10 at 50,000h
- High luminaire efficiency: 155 lm/W @4000K

APPLICATIONS

Industrial & Logistic | Parking



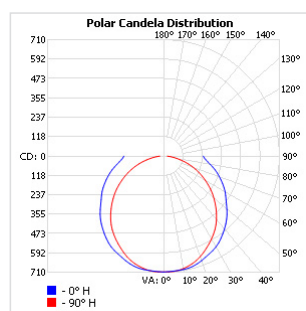
Specifications

Power consumption	8W, 15W, 24W	15W, 25W, 32W, 38W, 50W	23W, 33W, 37W, 50W, 60W
Dimensions	662 x 95 x 100 ± 1mm	1272 x 95 x 100 ± 1mm	1572 x 95 x 100 ± 1mm
Weight	1.2 - 1.4 Kg	1.9 - 2 Kg	2.3 - 2.5 Kg
Housing materials	Polycarbonate		
IK code	IK10		
THD (at 230V, 50Hz, Full load)	<8%		
Protection class	Safety class 1		
Operating temperature [°C]	-25°C ... +45°C / -13F ... +113F		
Operating humidity [%]	10 ÷ 85		
Power factor	≥0.95		
AC Input [Vac]	220 - 240 VAC		
Lens angle [°]	110°		
Lifespan [h]	50,000		
Housing color	● Gray		
Lumen maintenance	L90/B10@50.000h at 25°C		
IP factor	IP66		
Control optional	-		
Warranty [years]	5		
Storage temperature range [°C]	-25°C ... +45°C / -13F ... +113F		
Emergency option	-		

Light application	Standard
CRI	CRI 80
CCT [K]	3000K/4000K/5000K/6500K
MacAdam	4

CRI - Color rendering, CCT - Color temperature, MacAdam - Color consistency

Light distribution



TOLERANCES**Luminous flux tolerances:** -/+ 5%**Consumption tolerance:** -/+ 5% for Non-DALI | -/+ 10% for Non-DALI & KIT EM | -/+ 10% for DALI | -/+ 15% for DALI & KIT EM**BATTERY WARRANTY****Non-DALI EM & DALI EM:** 12 months warranty**Non-DALI & DALI:** -**MAXIMUM NO. OF LUMINAIRES ON A CIRCUIT**

Power	Control type	Circuit Breaker Type					
		B			C		
		20	16	10	20	16	10
< 50W	Non-DALI	37	30	18	62	51	31
≥ 50W	Non-DALI	37	30	18	62	51	31
< 80W	DALI	27	21	13	45	35	21

RISK GROUP**Standard (CRI80)** RG1**FOOD (BVF, FBS, FSM)** RG1**FOOD ≤35W (FZM, FSH)** RG1**FOOD >35W (FZM, FSH)** RG2**FAS** RG1**AMB2200** RG1**ART** RG1**AGI** RG1**CRI90** RG1**CRI95** RG1**ENT** RG1**RG1**

The evaluation of photobiological safety is carried out according to the standard IEC 62471:2008 ("Photobiological safety of lamps and lamp systems"). Following the definition of the risk grouping system of the mentioned IEC standard, the LEDs mounted on this family fall into the class "Low Risk (RG1 – No photobiological hazard under normal behavioral limitations)". Under real circumstances (regarding exposure time, pupils, observation distance), it is assumed that there is no endangerment to the eye from these devices. As a matter of principle, however, it should be mentioned that intense light sources have a high secondary exposure potential due to their blinding effect.

RG2

The evaluation of photobiological safety is carried out according to the standard IEC 62471:2008 ("Photobiological safety of lamps and lamp systems"). Following the definition of the risk grouping system of the mentioned IEC standard, the LEDs mounted on this family fall into the class "Moderate Risk (RG2)". Under real circumstances (regarding exposure time, pupils, observation distance), it is assumed that there is no endangerment to the eye from these devices. As a matter of principle, however, it should be mentioned that intense light sources have a high secondary exposure potential due to their blinding effect.

SKU SPECIFICATIONS

Product Code	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
CRI 80						
1C5292 Casey 60IP66/3000/8W/80/BZ	662 x 95 x 100 ± 1mm	3000	960	8W	120	110°
1C5293 Casey 60IP66/4000/8W/80/BZ	662 x 95 x 100 ± 1mm	4000	1005	8W	126	110°
1C5294 Casey 60IP66/5000/8W/80/BZ	662 x 95 x 100 ± 1mm	5000	1030	8W	129	110°
1C5295 Casey 60IP66/6500/8W/80/BZ	662 x 95 x 100 ± 1mm	6500	1005	8W	126	110°
1C5296 Casey 60IP66/3000/15W/80/BZ	662 x 95 x 100 ± 1mm	3000	1775	15W	119	110°
1C5297 Casey 60IP66/4000/15W/80/BZ	662 x 95 x 100 ± 1mm	4000	1850	15W	124	110°
1C5298 Casey 60IP66/5000/15W/80/BZ	662 x 95 x 100 ± 1mm	5000	1900	15W	127	110°
1C5299 Casey 60IP66/6500/15W/80/BZ	662 x 95 x 100 ± 1mm	6500	1850	15W	124	110°
1C5300 Casey 60IP66/3000/24W/80/BZ	662 x 95 x 100 ± 1mm	3000	2935	24W	123	110°
1C5301 Casey 60IP66/4000/24W/80/BZ	662 x 95 x 100 ± 1mm	4000	3060	24W	128	110°
1C5302 Casey 60IP66/5000/24W/80/BZ	662 x 95 x 100 ± 1mm	5000	3145	24W	132	110°
1C5303 Casey 60IP66/6500/24W/80/BZ	662 x 95 x 100 ± 1mm	6500	3060	24W	128	110°
1C5304 Casey 120IP66/3000/15W/80/BZ	1272 x 95 x 100 ± 1mm	3000	2040	15W	136	110°
1C5305 Casey 120IP66/4000/15W/80/BZ	1272 x 95 x 100 ± 1mm	4000	2125	15W	142	110°
1C5306 Casey 120IP66/5000/15W/80/BZ	1272 x 95 x 100 ± 1mm	5000	2185	15W	146	110°
1C5307 Casey 120IP66/6500/15W/80/BZ	1272 x 95 x 100 ± 1mm	6500	2125	15W	142	110°
1C5308 Casey 120IP66/3000/25W/80/BZ	1272 x 95 x 100 ± 1mm	3000	3480	25W	140	110°
1C5309 Casey 120IP66/4000/25W/80/BZ	1272 x 95 x 100 ± 1mm	4000	3625	25W	145	110°
1C5310 Casey 120IP66/5000/25W/80/BZ	1272 x 95 x 100 ± 1mm	5000	3725	25W	149	110°
1C5311 Casey 120IP66/6500/25W/80/BZ	1272 x 95 x 100 ± 1mm	6500	3625	25W	145	110°
1C5312 Casey 120IP66/3000/32W/80/BZ	1272 x 95 x 100 ± 1mm	3000	4460	32W	140	110°
1C5313 Casey 120IP66/4000/32W/80/BZ	1272 x 95 x 100 ± 1mm	4000	4650	32W	146	110°
1C5314 Casey 120IP66/5000/32W/80/BZ	1272 x 95 x 100 ± 1mm	5000	4775	32W	150	110°
1C5315 Casey 120IP66/6500/32W/80/BZ	1272 x 95 x 100 ± 1mm	6500	4650	32W	146	110°
1C5316 Casey 120IP66/3000/38W/80/BZ	1272 x 95 x 100 ± 1mm	3000	5115	38W	135	110°
1C5317 Casey 120IP66/4000/38W/80/BZ	1272 x 95 x 100 ± 1mm	4000	5335	38W	141	110°
1C5318 Casey 120IP66/5000/38W/80/BZ	1272 x 95 x 100 ± 1mm	5000	5475	38W	145	110°
1C5319 Casey 120IP66/6500/38W/80/BZ	1272 x 95 x 100 ± 1mm	6500	5335	38W	141	110°
1C5320 Casey 120IP66/3000/50W/80/BZ	1272 x 95 x 100 ± 1mm	3000	6335	50W	127	110°
1C5321 Casey 120IP66/4000/50W/80/BZ	1272 x 95 x 100 ± 1mm	4000	6605	50W	133	110°
1C5322 Casey 120IP66/5000/50W/80/BZ	1272 x 95 x 100 ± 1mm	5000	6785	50W	136	110°
1C5323 Casey 120IP66/6500/50W/80/BZ	1272 x 95 x 100 ± 1mm	6500	6605	50W	133	110°
1C5324 Casey 150IP66/3000/23W/80/BZ	1572 x 95 x 100 ± 1mm	3000	3180	23W	139	110°
1C5325 Casey 150IP66/4000/23W/80/BZ	1572 x 95 x 100 ± 1mm	4000	3315	23W	145	110°
1C5326 Casey 150IP66/5000/23W/80/BZ	1572 x 95 x 100 ± 1mm	5000	3405	23W	149	110°
1C5327 Casey 150IP66/6500/23W/80/BZ	1572 x 95 x 100 ± 1mm	6500	3315	23W	145	110°
1C5328 Casey 150IP66/3000/33W/80/BZ	1572 x 95 x 100 ± 1mm	3000	4615	33W	140	110°
1C5329 Casey 150IP66/4000/33W/80/BZ	1572 x 95 x 100 ± 1mm	4000	4810	33W	146	110°
1C5330 Casey 150IP66/5000/33W/80/BZ	1572 x 95 x 100 ± 1mm	5000	4940	33W	150	110°
1C5331 Casey 150IP66/6500/33W/80/BZ	1572 x 95 x 100 ± 1mm	6500	4810	33W	146	110°
1C5332 Casey 150IP66/3000/37W/80/BZ	1572 x 95 x 100 ± 1mm	3000	5470	37W	148	110°
1C5333 Casey 150IP66/4000/37W/80/BZ	1572 x 95 x 100 ± 1mm	4000	5705	37W	155	110°
1C5334 Casey 150IP66/5000/37W/80/BZ	1572 x 95 x 100 ± 1mm	5000	5855	37W	159	110°
1C5335 Casey 150IP66/6500/37W/80/BZ	1572 x 95 x 100 ± 1mm	6500	5705	37W	155	110°
1C5336 Casey 150IP66/3000/50W/80/BZ	1572 x 95 x 100 ± 1mm	3000	6730	50W	135	110°
1C5337 Casey 150IP66/4000/50W/80/BZ	1572 x 95 x 100 ± 1mm	4000	7010	50W	141	110°
1C5338 Casey 150IP66/5000/50W/80/BZ	1572 x 95 x 100 ± 1mm	5000	7200	50W	144	110°
1C5339 Casey 150IP66/6500/50W/80/BZ	1572 x 95 x 100 ± 1mm	6500	7010	50W	141	110°

SKU SPECIFICATIONS

Product Code	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
CRI 80						
1C5340 Casey 150IP66/3000/60W/80/BZ	1572 x 95 x 100 ± 1mm	3000	7705	60W	129	110°
1C5341 Casey 150IP66/4000/60W/80/BZ	1572 x 95 x 100 ± 1mm	4000	8030	60W	134	110°
1C5342 Casey 150IP66/5000/60W/80/BZ	1572 x 95 x 100 ± 1mm	5000	8245	60W	138	110°
1C5343 Casey 150IP66/6500/60W/80/BZ	1572 x 95 x 100 ± 1mm	6500	8030	60W	134	110°
1C5344 Casey 60IP66/3000/8W/80/DSPC/BZ	662 x 95 x 100 ± 1mm	3000	960	8W	120	110°
1C5345 Casey 60IP66/4000/8W/80/DSPC/BZ	662 x 95 x 100 ± 1mm	4000	1005	8W	126	110°
1C5346 Casey 60IP66/5000/8W/80/DSPC/BZ	662 x 95 x 100 ± 1mm	5000	1030	8W	129	110°
1C5347 Casey 60IP66/6500/8W/80/DSPC/BZ	662 x 95 x 100 ± 1mm	6500	1005	8W	126	110°
1C5348 Casey 60IP66/3000/15W/80/DSPC/BZ	662 x 95 x 100 ± 1mm	3000	1775	15W	119	110°
1C5349 Casey 60IP66/4000/15W/80/DSPC/BZ	662 x 95 x 100 ± 1mm	4000	1850	15W	124	110°
1C5350 Casey 60IP66/5000/15W/80/DSPC/BZ	662 x 95 x 100 ± 1mm	5000	1900	15W	127	110°
1C5351 Casey 60IP66/6500/15W/80/DSPC/BZ	662 x 95 x 100 ± 1mm	6500	1850	15W	124	110°
1C5352 Casey 120IP66/3000/15W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	3000	2040	15W	136	110°
1C5353 Casey 120IP66/4000/15W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	4000	2125	15W	142	110°
1C5354 Casey 120IP66/5000/15W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	5000	2185	15W	146	110°
1C5355 Casey 120IP66/6500/15W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	6500	2125	15W	142	110°
1C5356 Casey 120IP66/3000/25W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	3000	3480	25W	140	110°
1C5357 Casey 120IP66/4000/25W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	4000	3625	25W	145	110°
1C5358 Casey 120IP66/5000/25W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	5000	3725	25W	149	110°
1C5359 Casey 120IP66/6500/25W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	6500	3625	25W	145	110°
1C5360 Casey 120IP66/3000/32W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	3000	4460	32W	140	110°
1C5361 Casey 120IP66/4000/32W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	4000	4650	32W	146	110°
1C5362 Casey 120IP66/5000/32W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	5000	4775	32W	150	110°
1C5363 Casey 120IP66/6500/32W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	6500	4650	32W	146	110°
1C5364 Casey 120IP66/3000/38W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	3000	5115	38W	135	110°
1C5365 Casey 120IP66/4000/38W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	4000	5335	38W	141	110°
1C5366 Casey 120IP66/5000/38W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	5000	5475	38W	145	110°
1C5367 Casey 120IP66/6500/38W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	6500	5335	38W	141	110°
1C5368 Casey 120IP66/3000/50W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	3000	6335	50W	127	110°
1C5369 Casey 120IP66/4000/50W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	4000	6605	50W	133	110°
1C5370 Casey 120IP66/5000/50W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	5000	6785	50W	136	110°
1C5371 Casey 120IP66/6500/50W/80/DSPC/BZ	1272 x 95 x 100 ± 1mm	6500	6605	50W	133	110°
1C5372 Casey 150IP66/3000/23W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	3000	3180	23W	139	110°
1C5373 Casey 150IP66/4000/23W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	4000	3315	23W	145	110°
1C5374 Casey 150IP66/5000/23W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	5000	3405	23W	149	110°
1C5375 Casey 150IP66/6500/23W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	6500	3315	23W	145	110°
1C5376 Casey 150IP66/3000/33W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	3000	4615	33W	140	110°
1C5377 Casey 150IP66/4000/33W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	4000	4810	33W	146	110°
1C5378 Casey 150IP66/5000/33W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	5000	4940	33W	150	110°
1C5379 Casey 150IP66/6500/33W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	6500	4810	33W	146	110°
1C5380 Casey 150IP66/3000/37W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	3000	5470	37W	148	110°
1C5381 Casey 150IP66/4000/37W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	4000	5705	37W	155	110°
1C5382 Casey 150IP66/5000/37W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	5000	5855	37W	159	110°
1C5383 Casey 150IP66/6500/37W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	6500	5705	37W	155	110°
1C5384 Casey 150IP66/3000/50W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	3000	6730	50W	135	110°
1C5385 Casey 150IP66/4000/50W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	4000	7010	50W	141	110°
1C5386 Casey 150IP66/5000/50W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	5000	7200	50W	144	110°
1C5387 Casey 150IP66/6500/50W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	6500	7010	50W	141	110°

SKU SPECIFICATIONS

Product Code	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
CRI 80						
1C5388 Casey 150IP66/3000/60W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	3000	7705	60W	129	110°
1C5389 Casey 150IP66/4000/60W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	4000	8030	60W	134	110°
1C5390 Casey 150IP66/5000/60W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	5000	8245	60W	138	110°
1C5391 Casey 150IP66/6500/60W/80/DSPC/BZ	1572 x 95 x 100 ± 1mm	6500	8030	60W	134	110°