

FLAT 2

8311

Riflettore led industriale e commerciale a sospensione. Corpo in alluminio pressofuso verniciato con polvere termoindurente poliestere anticorrosione colore nero, vetro temperato trasparente spessore 4 mm, guarnizione in silicone, driver elettronico 220-240V 50/60Hz. Prodotto costruito in conformità alle vigenti norme EN / IEC 60598-1.

Led industrial and commercial suspended high-bay. Die cast aluminium body, coated with polyester anticorrosion powder, black color, 4 mm thick tempered transparent glass, silicon gasket. Electronic driver 220-240V 50/60Hz. Manufactured in accordance with EN / IEC 60598-1.

CARATTERISTICHE / MAIN FEATURES

- 

Classe I
Class I
- 

CRI >80
- 

EN / IEC
60598-1
- 

Sospensione
Suspended
- 

Mac Adams 3
- 

RG0/RG1
- 

Plafone
Surface
- 

UGR <22
UGR <25
- 

L90-B10 >100.000 h
- 

Blindosbarra
Busbar
- 

IK 08
- 

7 YEARS
WARRANTY
- 

IP 65
- 

10 kV
Surge Protection
- 

● Nero opaco / Matt black
- 

100% rigenerabile
100% regenerable



CODIFICA CODICE / CODING

Art.	+	Mod.	+	°K (CRI)	+	W. tot.	+	Options
8311		S2	3	= 3000°K (CRI >80)	070	165	EL	= on/off
		S5	4	= 4000°K (CRI >80)	080	190	LD	= dali
		CU	5	= 5000°K (CRI >80)	090	200	D1	= dali + em. 1h
		EL	9	= 4000°K (CRI >90)	100	215	E1	= em. 1h
		C2			110	230	E3	= em. 3h
		C5			120	280		
		M2			130	300		
		M5			140	350		
					150			

Δ LUMEN

	°K	CRI	% Lm
3	3000	> 80	-6.25%
4	4000	> 80	standard
5	5000	> 80	+0.50%
9	4000	> 90	-14.43%

DOTAZIONE / STANDARD EQUIPMENT



- Cablaggio esterno tramite connettore rapido IP66.

- External wiring via IP66 rapid connector.

- Surge Protection da 10kV incluso.

- 10kV Surge Protection.



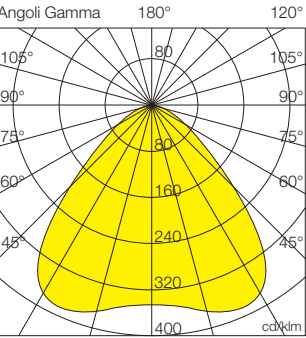
- Sistema di fissaggio sospensione incluso.

- Suspension fixing system.



FLAT 2

mod.S5



UGR<25



Ottica

Diffusore in vetro trasparente temperato. Lenti diffondenti in PMMA 90° ad alto rendimento di flusso antiabbagliamento e antiriflesso. La superficie illuminata ha forma rettangolare.

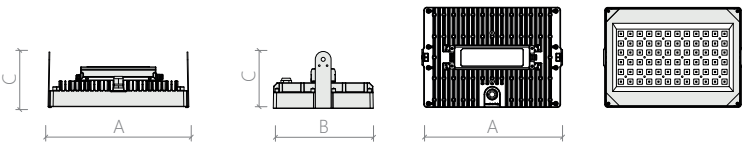
Optic

Transparent tempered glass diffuser. Anti-glare and anti-reflection 90° wide beam lenses in PMMA with high flux efficiency. The illuminated surface has a rectangular shape.

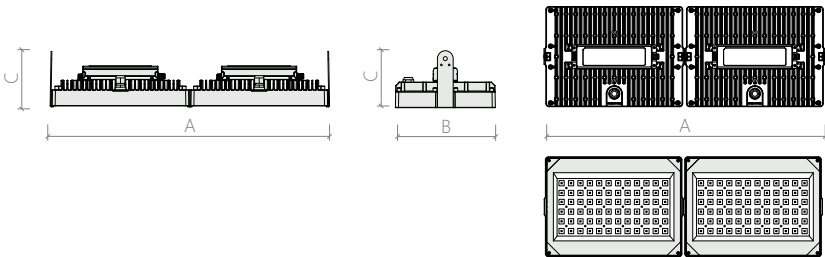
DIMENSIONI / DIMENSIONS

	A	B	C	Kg
D1	360	260	155	7,1
D2	360	260	155	7,9
D3	720	260	155	14,4

D1 - D2



D3



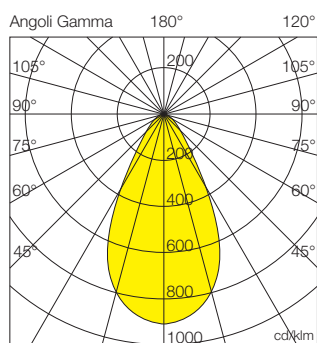
ESEMPIO CODIFICA CODICE 4000K - CRI>80 - ON/OFF
EXAMPLE OF ARTICLE CODING 4000K - CRI>80 - ON/OFF

PRESTAZIONI / PERFORMANCE

Code	W tot.	°K - CRI	Lm OUTPUT	Lm/W	dimension	Color
8311S54070EL	70	4000K - CRI>80	12150	174	D1	●
8311S54080EL	80	4000K - CRI>80	13514	169	D1	●
8311S54090EL	90	4000K - CRI>80	15200	169	D1	●
8311S54100EL	100	4000K - CRI>80	16862	169	D1	●
8311S54110EL	110	4000K - CRI>80	17521	159	D1	●
8311S54120EL	120	4000K - CRI>80	19152	160	D1	●
8311S54130EL	130	4000K - CRI>80	20760	160	D1	●
8311S54140EL	140	4000K - CRI>80	22345	160	D1	●
8311S54150EL	150	4000K - CRI>80	23596	157	D1	●
8311S54165EL	165	4000K - CRI>80	25750	156	D1	●
8311S54190EL	190	4000K - CRI>80	29040	153	D1	●
8311S54200EL	200	4000K - CRI>80	33725	169	D3	●
8311S54215EL	215	4000K - CRI>80	35042	163	D3	●
8311S54230EL	230	4000K - CRI>80	34170	149	D2	●
8311S54280EL	280	4000K - CRI>80	44690	160	D3	●
8311S54300EL	300	4000K - CRI>80	41252	138	D2	●
8311S54350EL	350	4000K - CRI>80	53919	154	D3	●

FLAT 2

mod.S2



UGR<22



Ottica

Diffusore in vetro temperato temperato. Lenti in PMMA 60° ad alto rendimento di flusso antiabbagliamento e antiriflesso. La superficie illuminata ha forma rettangolare.

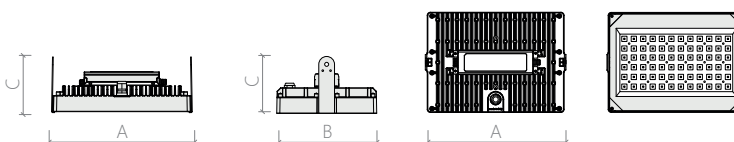
Optic

Transparent tempered glass diffuser. Anti-glare and anti-reflection 60° medium beam lenses in PMMA with high flux efficiency. The illuminated surface has a rectangular shape.

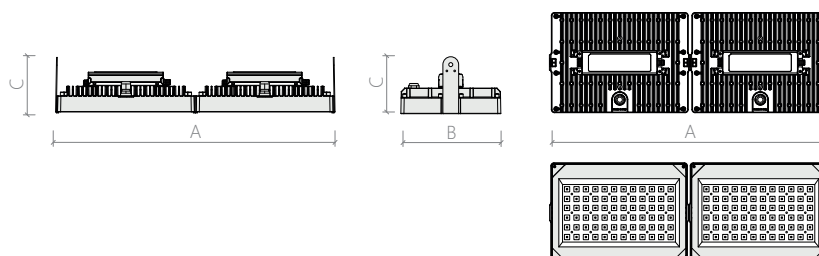
DIMENSIONI / DIMENSIONS

	A	B	C	Kg
D1	360	260	155	7,1
D2	360	260	155	7,9
D3	720	260	155	14,4

D1 - D2



D3



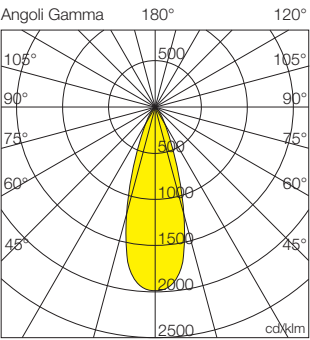
ESEMPIO CODIFICA CODICE 4000K - CRI>80 - ON/OFF
EXAMPLE OF ARTICLE CODING 4000K - CRI>80 - ON/OFF

PRESTAZIONI / PERFORMANCE

Code	W tot.	°K - CRI	Lm OUTPUT	Lm/W	dimension	Color
8311S24070EL	70	4000K - CRI>80	12017	172	D1	●
8311S24080EL	80	4000K - CRI>80	13366	167	D1	●
8311S24090EL	90	4000K - CRI>80	15033	167	D1	●
8311S24100EL	100	4000K - CRI>80	16677	167	D1	●
8311S24110EL	110	4000K - CRI>80	17329	158	D1	●
8311S24120EL	120	4000K - CRI>80	18941	158	D1	●
8311S24130EL	130	4000K - CRI>80	20532	158	D1	●
8311S24140EL	140	4000K - CRI>80	22100	158	D1	●
8311S24150EL	150	4000K - CRI>80	23337	156	D1	●
8311S24165EL	165	4000K - CRI>80	25467	154	D1	●
8311S24190EL	190	4000K - CRI>80	28721	151	D1	●
8311S24200EL	200	4000K - CRI>80	33354	167	D3	●
8311S24215EL	215	4000K - CRI>80	34657	161	D3	●
8311S24230EL	230	4000K - CRI>80	33794	147	D2	●
8311S24280EL	280	4000K - CRI>80	44199	158	D3	●
8311S24300EL	300	4000K - CRI>80	40799	136	D2	●
8311S24350EL	350	4000K - CRI>80	53327	152	D3	●

FLAT 2

mod.CU



UGR<22



Ottica

Diffusore in vetro temperato. Lenti concentranti in PMMA 30° ad alto rendimento di flusso antiabbagliamento e antiriflesso.

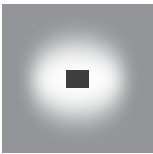
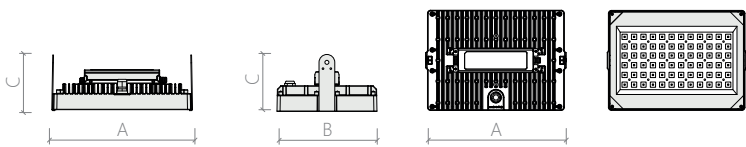
Optic

Transparent tempered glass diffuser. Anti-glare and anti-reflection 28° narrow beam lenses in PMMA with high flux efficiency.

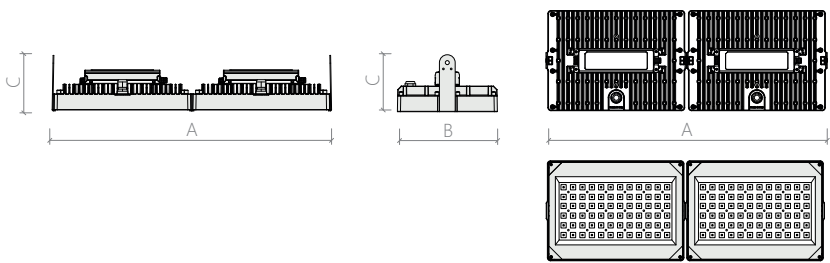
DIMENSIONI / DIMENSIONS

	A	B	C	Kg
D1	360	260	155	7,1
D2	360	260	155	7,9
D3	720	260	155	14,4

D1 - D2



D3



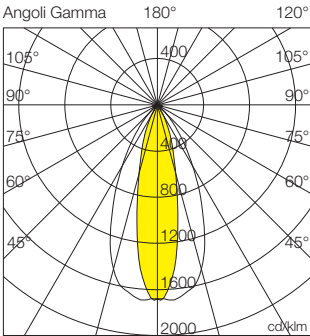
ESEMPIO CODIFICA CODICE 4000K - CRI>80 - ON/OFF
EXAMPLE OF ARTICLE CODING 4000K - CRI>80 - ON/OFF

PRESTAZIONI / PERFORMANCE

Code	W tot.	°K - CRI	Lm OUTPUT	Lm/W	dimension	Color
8311CU4070EL	70	4000K - CRI>80	11883	170	D1	●
8311CU4080EL	80	4000K - CRI>80	13217	165	D1	●
8311CU4090EL	90	4000K - CRI>80	14866	165	D1	●
8311CU4100EL	100	4000K - CRI>80	16492	165	D1	●
8311CU4110EL	110	4000K - CRI>80	17136	156	D1	●
8311CU4120EL	120	4000K - CRI>80	18731	156	D1	●
8311CU4130EL	130	4000K - CRI>80	20304	156	D1	●
8311CU4140EL	140	4000K - CRI>80	21854	156	D1	●
8311CU4150EL	150	4000K - CRI>80	23078	154	D1	●
8311CU4165EL	165	4000K - CRI>80	25184	153	D1	●
8311CU4190EL	190	4000K - CRI>80	28402	149	D1	●
8311CU4200EL	200	4000K - CRI>80	32983	165	D3	●
8311CU4215EL	215	4000K - CRI>80	34272	159	D3	●
8311CU4230EL	230	4000K - CRI>80	33419	145	D2	●
8311CU4280EL	280	4000K - CRI>80	43708	156	D3	●
8311CU4300EL	300	4000K - CRI>80	40345	134	D2	●
8311CU4350EL	350	4000K - CRI>80	52734	151	D3	●

FLAT 2

mod.EL



Ottica

Diffusore in vetro temperato. Lenti ellittiche in PMMA 52/23° ad alto rendimento di flusso antiabbagliamento e antiriflesso.

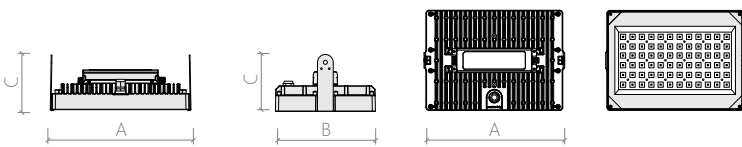
Optic

Transparent tempered glass diffuser. Anti-glare and anti-reflection 52/23° elliptical beam lenses in PMMA with high flux efficiency.

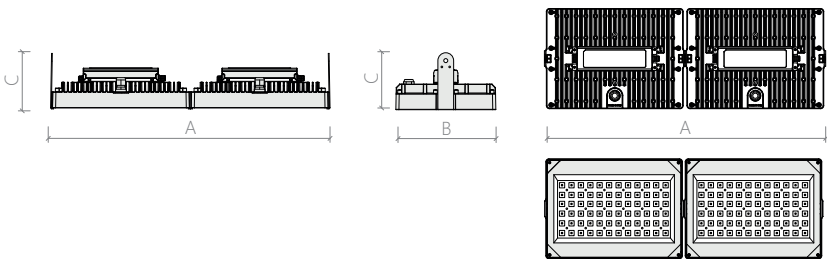
DIMENSIONI / DIMENSIONS

	A	B	C	Kg
D1	360	260	155	7,1
D2	360	260	155	7,9
D3	720	260	155	14,4

D1 - D2



D3



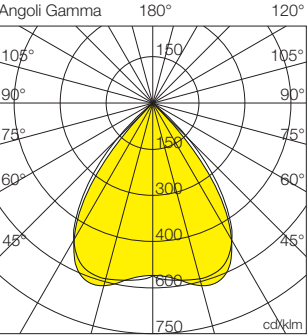
ESEMPIO CODIFICA CODICE 4000K - CRI>80 - ON/OFF
EXAMPLE OF ARTICLE CODING 4000K - CRI>80 - ON/OFF

PRESTAZIONI / PERFORMANCE

Code	W tot.	°K - CRI	Lm OUTPUT	Lm/W	dimension	Color
8311EL4070EL	70	4000K - CRI>80	11349	162	D1	●
8311EL4080EL	80	4000K - CRI>80	12623	158	D1	●
8311EL4090EL	90	4000K - CRI>80	14198	158	D1	●
8311EL4100EL	100	4000K - CRI>80	15751	158	D1	●
8311EL4110EL	110	4000K - CRI>80	16366	149	D1	●
8311EL4120EL	120	4000K - CRI>80	17889	149	D1	●
8311EL4130EL	130	4000K - CRI>80	19391	149	D1	●
8311EL4140EL	140	4000K - CRI>80	20872	149	D1	●
8311EL4150EL	150	4000K - CRI>80	22041	147	D1	●
8311EL4165EL	165	4000K - CRI>80	24052	146	D1	●
8311EL4190EL	190	4000K - CRI>80	27125	143	D1	●
8311EL4200EL	200	4000K - CRI>80	31501	158	D3	●
8311EL4215EL	215	4000K - CRI>80	32732	152	D3	●
8311EL4230EL	230	4000K - CRI>80	31917	139	D2	●
8311EL4280EL	280	4000K - CRI>80	41744	149	D3	●
8311EL4300EL	300	4000K - CRI>80	38532	128	D2	●
8311EL4350EL	350	4000K - CRI>80	50364	144	D3	●

FLAT 2

mod.C5



UGR<25

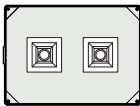
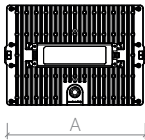
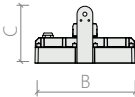
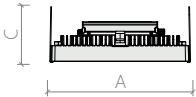


Ottica
Diffusore in vetro trasparente temperato. Riflettore diffondente rotosimmetrico 90° in alluminio satinato antiabbagliamento e antiriflesso.

Optic
Transparent tempered glass diffuser. Anti-glare and anti-reflection 90° wide beam rotosymmetrical satin aluminum reflector.

DIMENSIONI / DIMENSIONS

	A	B	C	Kg
D1	360	260	155	7,1



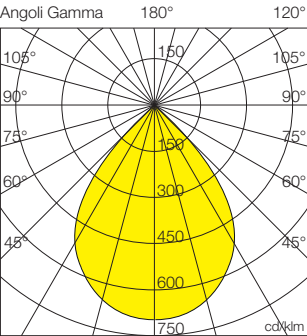
ESEMPIO CODIFICA CODICE 4000K - CRI>80 - ON/OFF
EXAMPLE OF ARTICLE CODING 4000K - CRI>80 - ON/OFF

PRESTAZIONI / PERFORMANCE

Code	W tot.	°K - CRI	Lm OUTPUT	Lm/W	dimension	Color
8311C54080EL	80	4000K - CRI>80	12984	162	D1	●
8311C54090EL	90	4000K - CRI>80	14479	161	D1	●
8311C54100EL	100	4000K - CRI>80	15445	154	D1	●
8311C54120EL	120	4000K - CRI>80	18940	158	D1	●
8311C54130EL	130	4000K - CRI>80	20066	154	D1	●
8311C54140EL	140	4000K - CRI>80	21209	151	D1	●
8311C54150EL	150	4000K - CRI>80	21923	146	D1	●
8311C54165EL	165	4000K - CRI>80	23973	145	D1	●
8311C54190EL	190	4000K - CRI>80	29430	155	D1	●

FLAT 2

mod.C2



Ottica

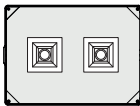
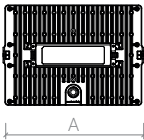
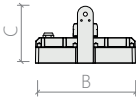
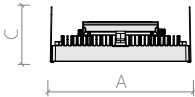
Diffusore in vetro trasparente temperato. Riflettore diffondente rotosimmetrico 80° in alluminio satinato antiabbagliamento e antiriflesso.

Optic

Transparent tempered glass diffuser. Anti-glare and anti-reflection 80° wide beam rotosymmetrical satin aluminum reflector.

DIMENSIONI / DIMENSIONS

	A	B	C	Kg
D1	360	260	155	7,1



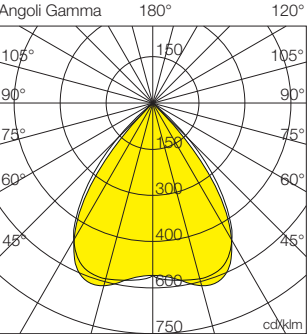
ESEMPIO CODIFICA CODICE 4000K - CRI>80 - ON/OFF EXAMPLE OF ARTICLE CODING 4000K - CRI>80 - ON/OFF

PRESTAZIONI / PERFORMANCE

Code	W tot.	°K - CRI	Lm OUTPUT	Lm/W	dimension	Color
8311C24080EL	80	4000K - CRI>80	12485	156	D1	●
8311C24090EL	90	4000K - CRI>80	13922	155	D1	●
8311C24100EL	100	4000K - CRI>80	14851	149	D1	●
8311C24120EL	120	4000K - CRI>80	18211	152	D1	●
8311C24130EL	130	4000K - CRI>80	19294	148	D1	●
8311C24140EL	140	4000K - CRI>80	20394	146	D1	●
8311C24150EL	150	4000K - CRI>80	21080	141	D1	●
8311C24165EL	165	4000K - CRI>80	23051	140	D1	●
8311C24190EL	190	4000K - CRI>80	28298	149	D1	●

FLAT 2

mod.M5



UGR<25

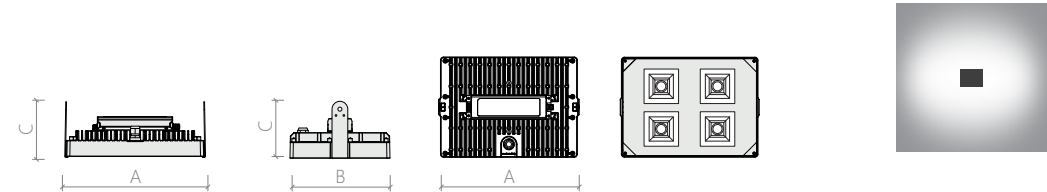


Ottica
Diffusore in vetro trasparente temperato. Riflettore diffondente rotosimmetrico 90° in alluminio satinato antiabbagliamento e antiriflesso.

Optic
Transparent tempered glass diffuser. Anti-glare and anti-reflection 90° wide beam rotosymmetrical satin aluminum reflector.

DIMENSIONI / DIMENSIONS

	A	B	C	Kg
D1	360	260	155	7,1
D2	360	260	155	7,9



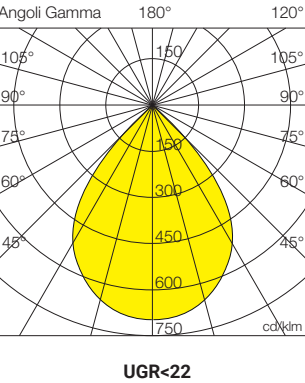
ESEMPIO CODIFICA CODICE 4000K - CRI>80 - ON/OFF
EXAMPLE OF ARTICLE CODING 4000K - CRI>80 - ON/OFF

PRESTAZIONI / PERFORMANCE

Code	W tot.	°K - CRI	Lm OUTPUT	Lm/W	dimension	Color
8311M54080EL	80	4000K - CRI>80	14382	180	D1	●
8311M54090EL	90	4000K - CRI>80	16039	178	D1	●
8311M54100EL	100	4000K - CRI>80	17643	176	D1	●
8311M54120EL	120	4000K - CRI>80	20596	172	D1	●
8311M54130EL	130	4000K - CRI>80	22234	171	D1	●
8311M54140EL	140	4000K - CRI>80	23675	169	D1	●
8311M54150EL	150	4000K - CRI>80	24939	166	D1	●
8311M54165EL	165	4000K - CRI>80	27237	165	D1	●
8311M54190EL	190	4000K - CRI>80	32344	170	D1	●
8311M54200EL	200	4000K - CRI>80	33980	170	D1	●
8311M54230EL	230	4000K - CRI>80	37145	162	D2	●
8311M54280EL	280	4000K - CRI>80	44612	159	D2	●

FLAT 2

mod.M2

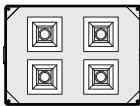
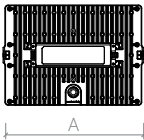
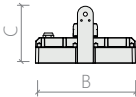
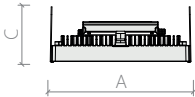


Ottica
 Diffusore in vetro trasparente temperato. Riflettore diffondente rotosimmetrico 80° in alluminio satinato antiabbagliamento e antiriflesso.

Optic
 Transparent tempered glass diffuser. Anti-glare and anti-reflection 80° wide beam rotosymmetrical satin aluminum reflector.

DIMENSIONI / DIMENSIONS

	A	B	C	Kg
D1	360	260	155	7,1
D2	360	260	155	7,9

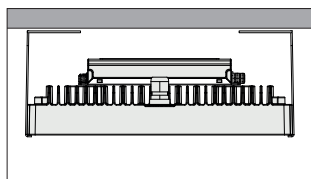


ESEMPIO CODIFICA CODICE 4000K - CRI>80 - ON/OFF
 EXAMPLE OF ARTICLE CODING 4000K - CRI>80 - ON/OFF

PRESTAZIONI / PERFORMANCE

Code	W tot.	°K - CRI	Lm OUTPUT	Lm/W	dimension	Color
8311M24080EL	80	4000K - CRI>80	13829	173	D1	●
8311M24090EL	90	4000K - CRI>80	15422	171	D1	●
8311M24100EL	100	4000K - CRI>80	16965	170	D1	●
8311M24120EL	120	4000K - CRI>80	19804	165	D1	●
8311M24130EL	130	4000K - CRI>80	21379	164	D1	●
8311M24140EL	140	4000K - CRI>80	22764	163	D1	●
8311M24150EL	150	4000K - CRI>80	23980	160	D1	●
8311M24165EL	165	4000K - CRI>80	26190	159	D1	●
8311M24190EL	190	4000K - CRI>80	31100	164	D1	●
8311M24200EL	200	4000K - CRI>80	32673	163	D1	●
8311M24230EL	230	4000K - CRI>80	35717	155	D2	●
8311M24280EL	280	4000K - CRI>80	42896	153	D2	●

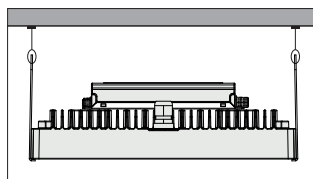
Installazione a plafone
Surface mounting installation



Apparecchio adatto per installazione a plafone. (ACC227)

Surface mounting installation. (ACC227)

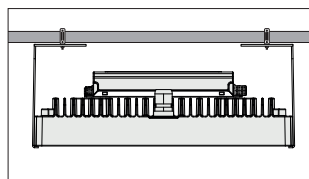
Installazione a sospensione
Suspended installation



Apparecchio adatto per installazione a sospensione.

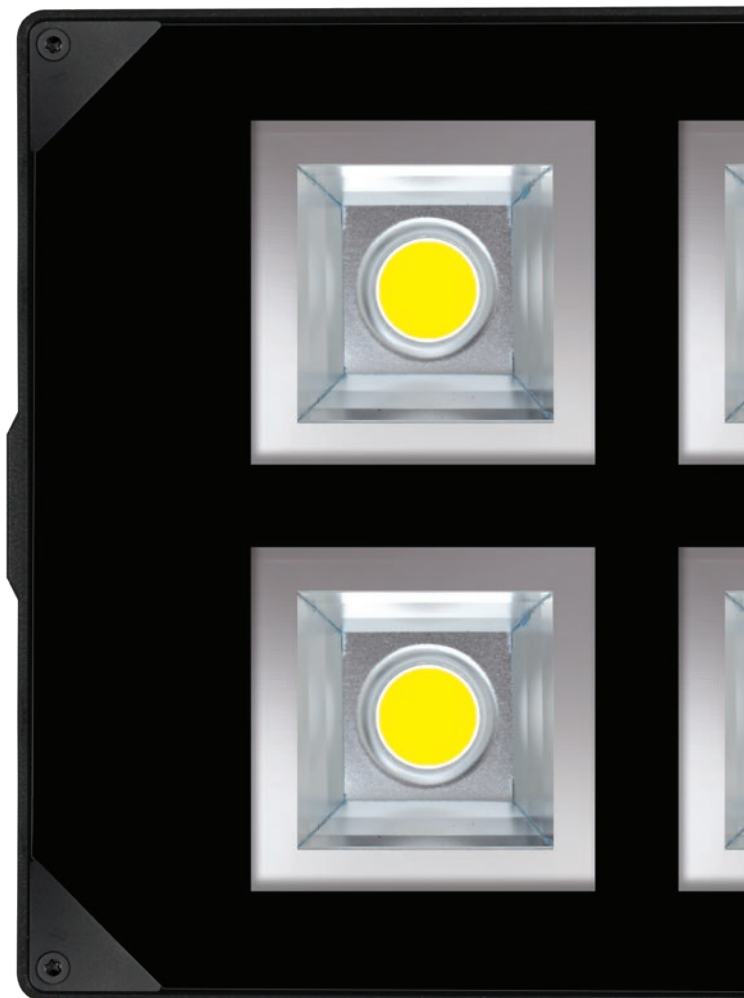
Suspended installation.

Installazione a blindosbarra
Busbar installation



Apparecchio adatto per installazione a blindosbarra. (ACC227)

Busbar installation. (ACC227)





ACC019 Sensore di luminosità e presenza per apparecchi industriali DALI.
Motion and brightness sensor for DALI industrial fixtures.

ACC036 Telecomando per sensori industriali (opzionale).
Remote control for industrial sensors (optional).

ACC230 Sensore di luminosità e presenza bluetooth per apparecchi industriali DALI-CASAMBI.
Light and motion bluetooth sensor for industrial DALI-CASAMBI fittings.

ACC231 Nodo Bluetooth CASAMBI per apparecchi industriali DALI.
Bluetooth CASAMBI node for DALI industrial fittings.

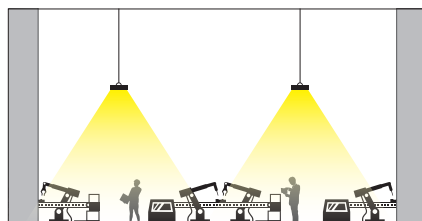
ACC144 Kit doppio moschettone in acciaio zincato.
Double carabiner kit in galvanized steel.

ACC145 Cavo di sicurezza anticaduta in acciaio Ø2 mm.
Ø2 mm steel fall arrest safety cable.

ACC227 Kit staffe per installazione a plafone o blindosbarra colore nero.
Bussbar or surface mounting installation kit black color.

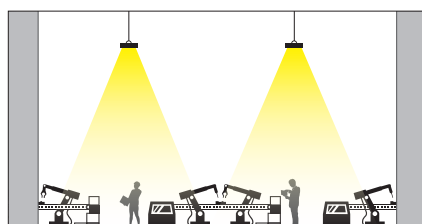
ACC262 Griglia di protezione 360 x 260 mm in acciaio cromato.
Chromed steel 360 x 260 mm protection grid

APPLICAZIONI / APPLICATION



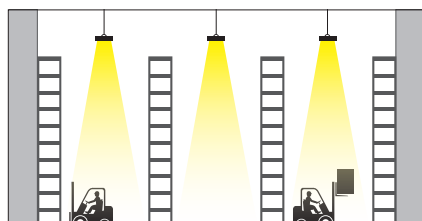
Utilizzo dell'ottica diffondente per l'illuminazione di un'area di lavoro con installazione tra i 5 e i 9 metri.

Wide beam fixture used in a large work area with height from 5 to 9 meters.



Utilizzo dell'ottica media per l'illuminazione di un'area di lavoro con installazione elevata.

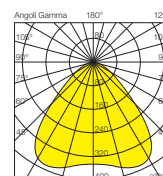
Medium beam fixture used in a large work area with high height.



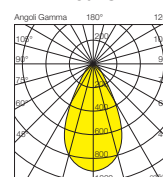
Utilizzo di un'ottica ellittica per l'illuminazione di corsie per garantire un'illuminazione corretta senza dispersione di luce.

Elliptical beam fixture to avoid light dispersion within aisles.

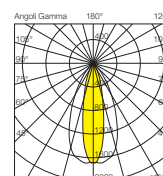
Mod. S5



Mod. S2



Mod. EL



Mod. CU

