






coma I
pureWhite | pureColor






TECHNICAL DATASHEET

coma |

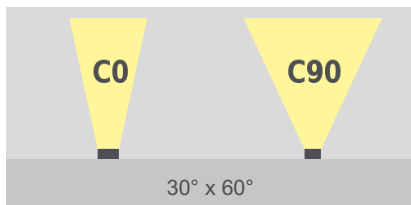
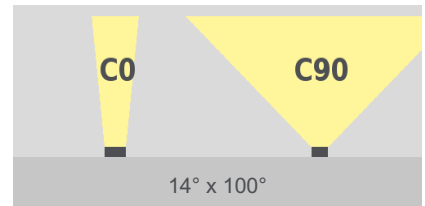
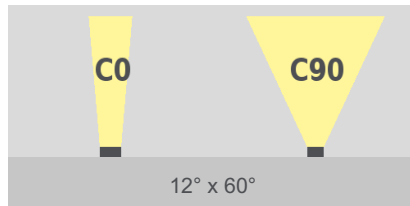
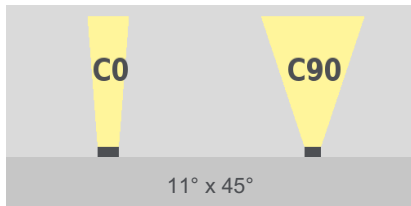
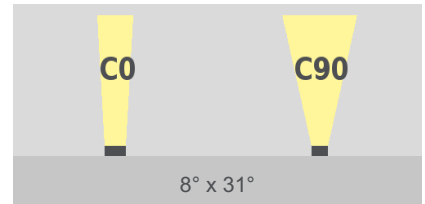
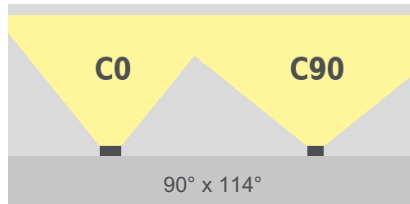
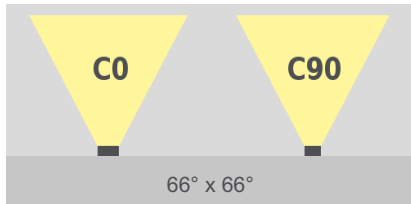
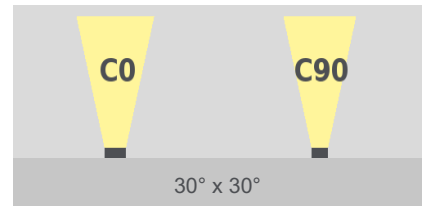
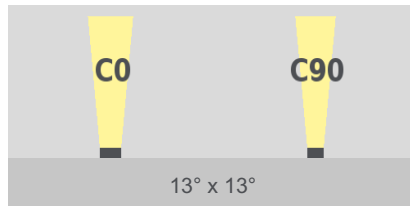
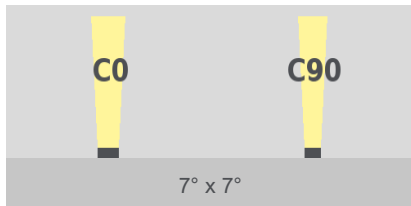
pureWhite | pureColor

Technical Data

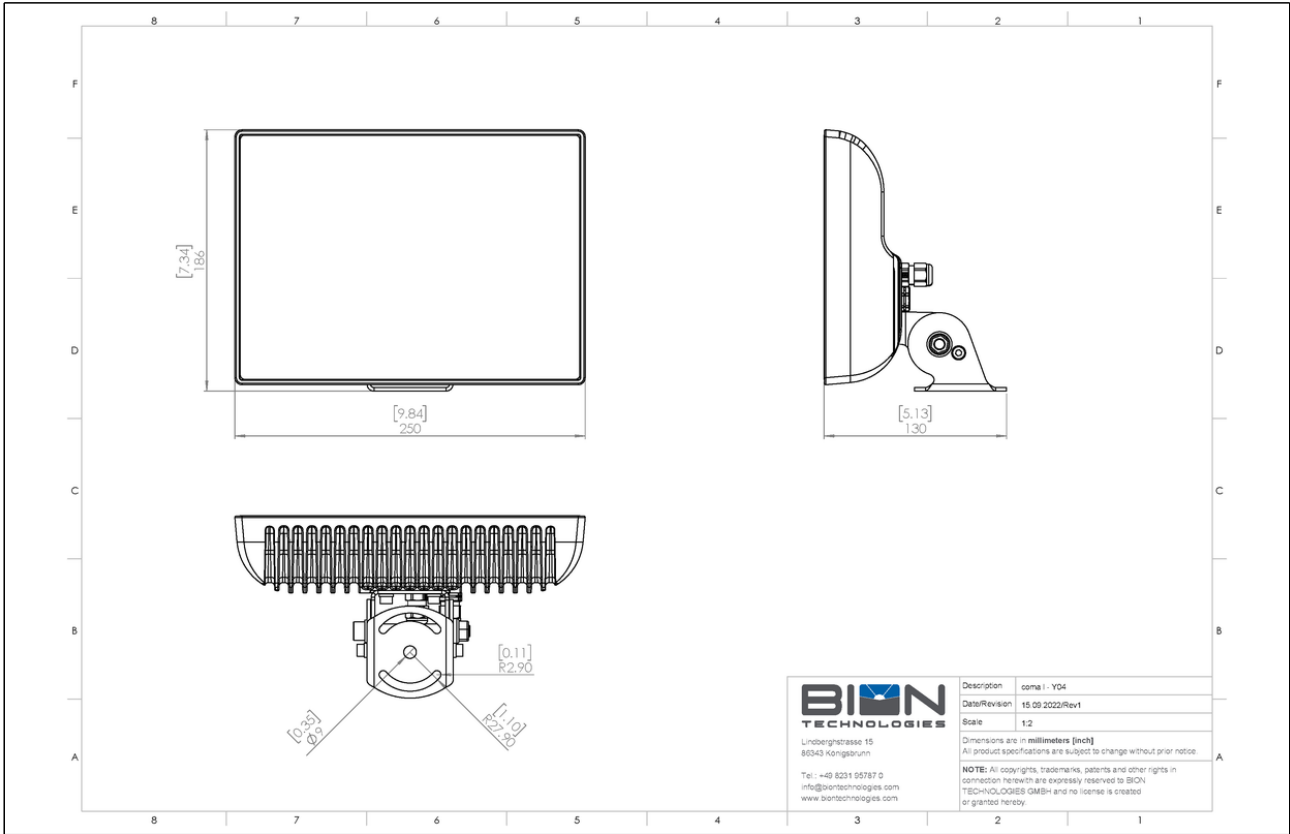
Dimensions	250 mm x 182 mm [L x D] 9.85 in x 7.17 in [L x D]
Fixture Typ	  pureWhite pureColor
Color Temperatures pureWhite	2200 K, 2700 K, 3000 K, 3500 K, 4000 K * Project-specific color temperature for pureWhite available.
LED-Colors pureColor	Red, Green, Blue, Amber * Project-specific colors for pureColor available.
Beam Angles	7°, 13°, 30°, 66°, 90° x 114° 8° x 31°, 11° x 45°, 12° x 60°, 14° x 100°, 30° x 60°
Luminous Flux	2828 lm pureColor Red 1380 lm pureColor Green 2476 lm pureColor Blue 1095 lm pureColor Amber 2332 lm
Light Source	24 LED(s)
Color Rendering Index	R _a >= 80
LED-Binning	
MacAdam Ellipses Binning	3
Dimming	Non-dimmable Dimmable (DMX , 0 - 10 V , IOT)

Input Voltage	Power supply: internal 100 - 240, 277 VAC (50 - 60 Hz) 127 - 431 VDC
Power Consumption	Max. 45 W
Power Factor Correction	> 0,98 -> 115 VAC @ max. Output > 0,95 -> 230 VAC @ max. Output > 0,91 -> 277 VAC @ max. Output
Protection Class	I
Inrush	COLD START 55A@230VAC / 27A@110VAC (t _{width} =265µs measured at 50% I _{peak})
Storage Temperatur	-40 °C / +80 °C -40 °F / +176 °F
Operating Temperature	-40 °C / +40 °C -40 °F / +104 °F
Start-up Temperature	-25 °C / +40 °C -13 °F / +104 °F
Lumen Maintenance [L70]	65'000 h @ 25 °C (77 °F) 40'000 h @ 40 °C (104 °F)
LED-Class	Class 2 LED-Product
Housing	Aluminium die casting
Housing Color(s)	<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; width: 30px; height: 15px; display: inline-block;"></div> <div style="background-color: black; width: 30px; height: 15px; display: inline-block;"></div> </div> White powd ercoated Black powd ercoated
Lens	Safety glass, printed
Weight	2,8 kg (6.17 lbs)
Ingress Protection	IP65
Environment	<div style="display: flex; align-items: center; gap: 20px;"> <div style="text-align: center;">  indoor </div> <div style="text-align: center;">  outdoor </div> </div>
Impact Protection	IK08
Certification	<div style="display: flex; align-items: center; gap: 10px;">    </div> -40 °C / +80 °C -40 °F / +176 °F

Beam Angles



Engineering Drawing



Project	Fixture#	Date
		Firm



Ordering Information

Choose the option that suits your needs and write its corresponding code on the appropriate line to form the product code.

COMA-L- _____ - _____ - _____ - _____ - _____ - Y04
 TYP - LUMINOUS COLOR DIMMING BEAM ANGLE WIRING HOUSING COLOR

TYP - LUMINOUS COLOR	
PW22	pureWhite - 2200 K
PW27	pureWhite - 2700 K
PW30	pureWhite - 3000 K
PW35	pureWhite - 3500 K
PW40	pureWhite - 4000 K
PCRE	pureColor - Red
PCGR	pureColor - Green
PCBL	pureColor - Blue
PCAM	pureColor - Amber

BEAM ANGLE	
7X7	7° x 7°
13X13	13° x 13°
30X30	30° x 30°
66X66	66° x 66°
90X114	90° x 114°
8X31	8° x 31°
11X45	11° x 45°
12X60	12° x 60°
14X100	14° x 100°
30X60	30° x 60°

DIMMING	
NDIM	Non-dimmable
DMX	Dimmable - DMX
0-10V	Dimmable - 0-10V
IOT	Dimmable - IOT

WIRING	
CE	Europe
ETL	North America

HOUSING COLOR	
WH	White powdercoated
BL	Black powdercoated

Sample Order Code: COMA-L-PW27-DMX-66X66-CE-WH-Y01

* Project-specific options are available - Please contact our Sales Representative for further information.



Lindberghstrasse 15
86343 Koenigsbrunn
Tel: +49 (0)8231/95787-0
Fax: +49 (0)8231/95787-29
www.biontechnologies.com
info@biontechnologies.com

YouTube: <http://www.youtube.com/user/BIONTECHNOLOGIES>

© 2023, BION TECHNOLOGIS GMBH
All rights reserved / Subject to change / Specifications may change without notice