



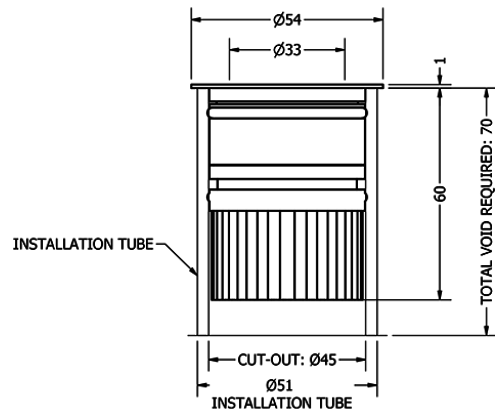
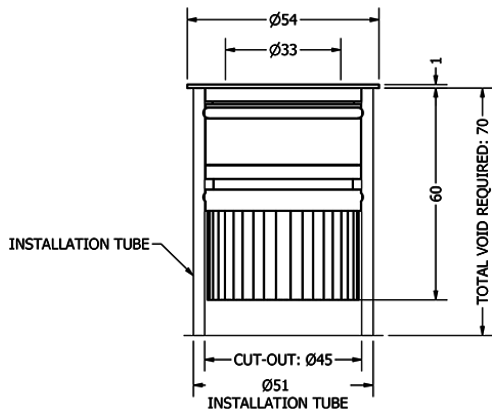
PHOS
ENGINEERING LIGHT

PANO MIDI SQUARE

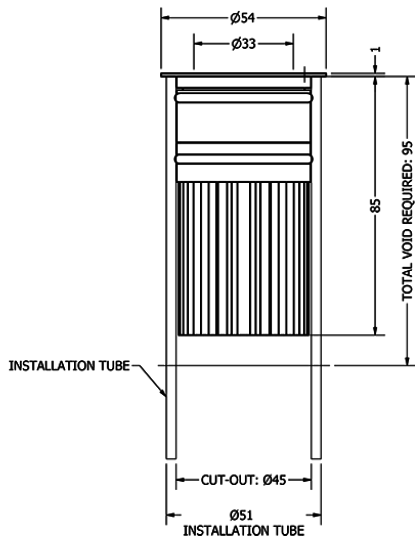
STANDARD



4 & 9W



14W



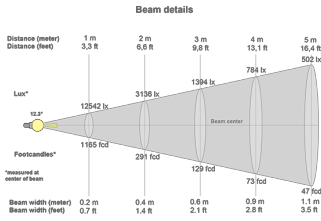
TECHNICAL SPECIFICATIONS

CCT	2700K											
Wattage	4W				9W				14W			
BeamAngle	10°	25°	35°	55°	10°	25°	35°	55°	10°	25°	35°	55°
Luminaire Lumens (lm)	320	277	266	272	511	448	440	442	695	583	571	576
Circuit Watts (c/W)	6	6	5.9	6	10.5	10.4	10.4	10.4	15.5	15.5	15.5	15.5
LuminaireEfficacy (l/cW)	53	46	45	46	49	43	42	42	45	38	37	37
Luminance (Cd)	5279	1216	680	316	8509	2006	1124	526	12064	2630	1494	696
Light Source (Lm/W)	95	95	95	95	80	80	80	80	69	69	69	69
Engine (Lm/W)	64	64	64	64	59	59	59	59	51	51	51	51
Forward Volatage (Vf)	11.78	11.78	11.78	11.78	12.36	12.36	12.36	12.36	12.65	12.65	12.65	12.65
Current (mA)	350	350	350	350	700	700	700	700	1050	1050	1050	1050

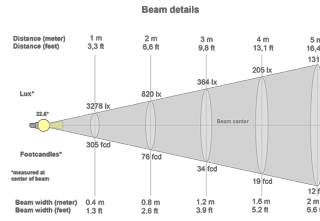
CCT	3000K											
Wattage	4W				9W				14W			
BeamAngle	10°	25°	35°	55°	10°	25°	35°	55°	10°	25°	35°	55°
Luminaire Lumens (lm)	353	317	305	308	593	531	510	524	824	695	693	696
Circuit Watts (c/W)	5.9	5.9	5.9	5.9	10.4	10.5	10.4	10.4	15.7	15.6	15.6	15.6
LuminaireEfficacy (l/cW)	60	54	52	52	57	51	49	50	53	44	44	44
Luminance (Cd)	5033	1408	816	373	8524	2399	1382	638	12579	3284	1957	873
Light Source (Lm/W)	95	95	95	95	80	80	80	80	69	69	69	69
Engine (Lm/W)	76	76	76	76	71	71	71	71	62	62	62	62
Forward Volatage (Vf)	11.78	11.78	11.78	11.78	12.36	12.36	12.36	12.36	12.65	12.65	12.65	12.65
Current (mA)	350	350	350	350	700	700	700	700	1050	1050	1050	1050

Binning	2 step MacAdams											
CRI	90+											
TM-30-15	Rf87.54 - Rg99.91											
Lumen Maintenance	LM80											
Lifetime	50,000 hours											
Dimming	Mains Dim, DALI, CASAMBI, 0-10V, Non-dim											

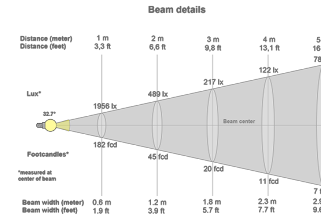
LIGHT CONES



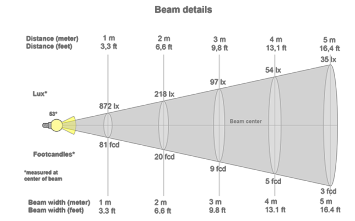
10°



25°

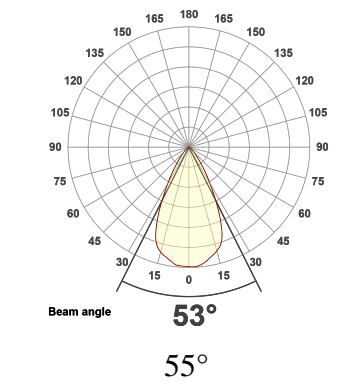
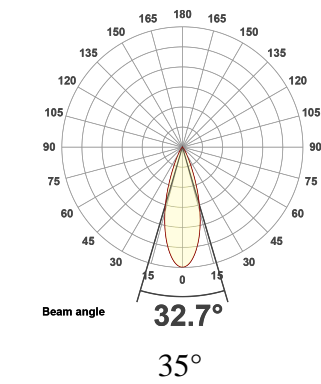
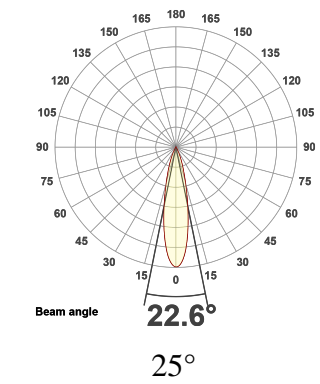
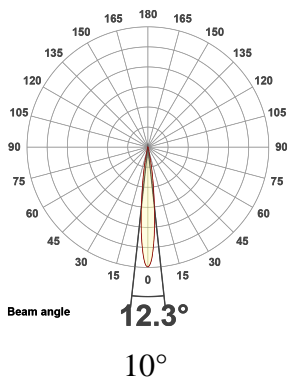


35°



55°

POLAR CURVES



PART CODE BUILDER

Example Code: MD-P-SQ-WT-STD4-27-90-10-350

Family	Variant	Bezel Finish	Engine	Power	CCT	CRI	Beam Angle	Driver Current
MD	P-SQ	WT	STD	4W	27K	90	10°	350mA
		BT		9W	30K		25°	700mA
		*C		14W			35°	1050mA
							55°	

REGENERATION FOR GENERATIONS



View ReGen Doc



TAKE

Sourcing material locally



MAKE

Responsible manufacture



WASTE

Lifetime duty of care



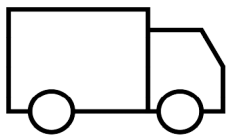
SOFT TM66 RESULTS

Category	Points Scored	MAX Possible Points	Assessment
Product Design	111.0	134.0	3.3
Manufacturing	35.0	46.5	3.0
Materials	11.0	24.0	1.8
Ecosystem	36.0	43.0	3.3
Overall Performance	193.0	247.5	2.9
2.5 to 4.0	Excellent circularity		

TM65 Available upon request

Embodied carbon in building services

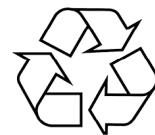
WE ENCOURAGE ALL FIXTURES TO BE RETURNED TO US SO WE CAN REGEN OR RECYCLE.



If a product has failed or has become EOL, we can arrange collection of the interchangeable light engines and associated drivers. Once received, we will review the engine to see if it can be **ReGenerated** or **recycled**.



If we can **ReGenerate** the light engine, we will only need to replace the faulty part of the fitting, which can then be restored to life, utilising all of our original optics and bezels.



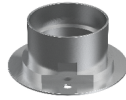
If the unit is beyond the point of repair, we will ensure the raw material is always fully recycled. We encourage all fixtures to be returned to us so we can **ReGen** or **recycle**.

ACCESSORIES



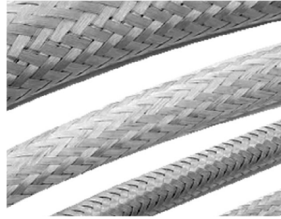
Midi Installation Tube

ACC-MD-TUBE



Midi Collar Tube

ACCS-MD-COLLARTUBE



Exterior Cable Sleeve

ACCS-E-CABLESLEEVE-5MM

INSERTS



Elliptical Insert

NOT available for square versions

EL



Asymmetric Insert

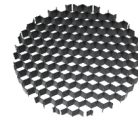
NOT available for square versions

AS



Softening Insert

SL



Honeycomb Insert

HC



Halfmoon Insert

NOT available for square versions

HM



Colour Change Insert

CCT: 18K

CCT: 22K

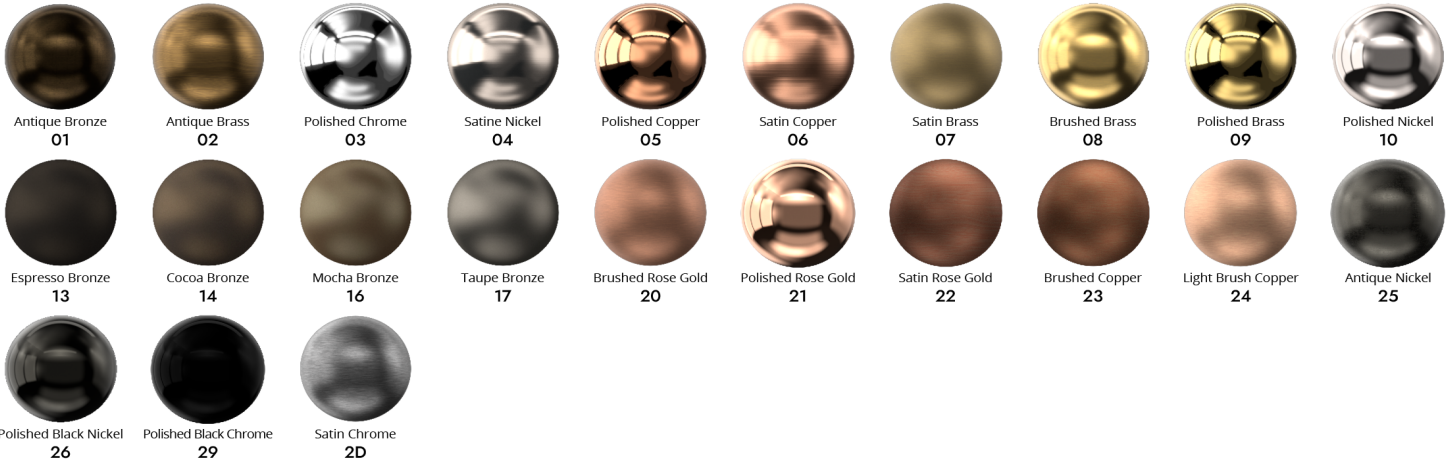
CCT: 24K

CCT: 25K

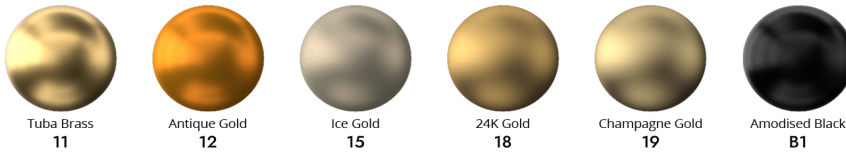
FINISHES

Every element of your light can be finished in any of the options below, or RAL colour:

PLATED (Interior ONLY)



ANODISED (Interior ONLY)



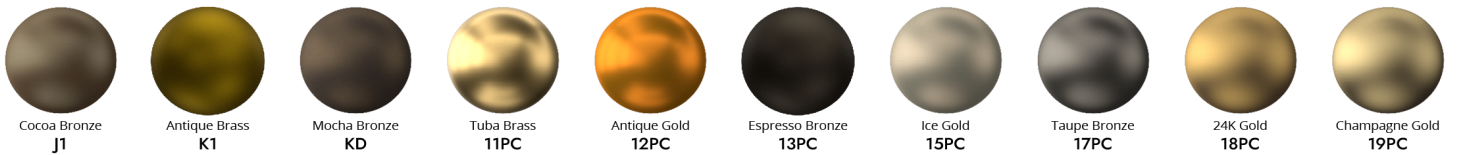
SPECIALITY PLATED (Interior ONLY)



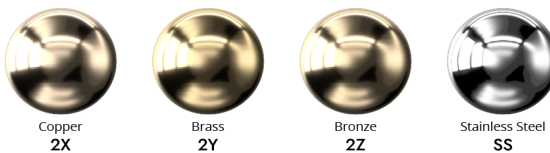
POWDER COAT (Interior & Exterior)



METAL POWDER COAT (Interior & Exterior)



MARINE GRADE (Interior, Exterior & Harsh Environment)



SPECIALITY POWDER COAT (Interior & Exterior)

